

# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

AUGUST 1 1951



*Euonymus Europaeus*

**SEEDS** TREE—SHRUB—PERENNIAL  
FLOWER—GRASS—VEGETABLE

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[ Registered U. S. Patent Office ]

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

VOL. XCIV No. 3

AUGUST 1, 1951

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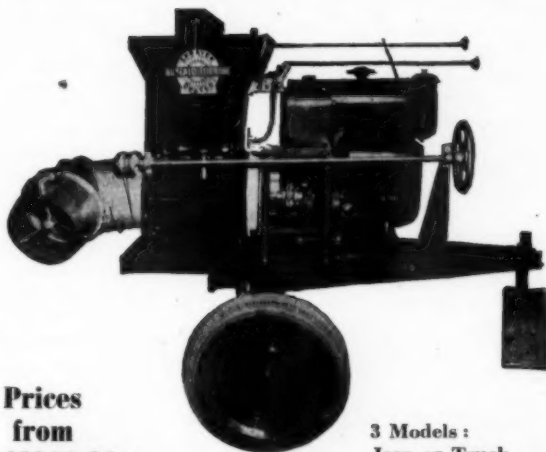
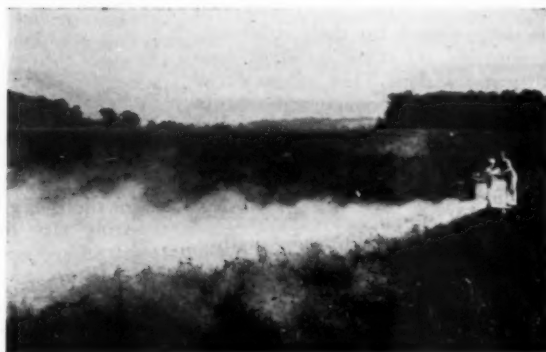
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## AMERICAN NURSERYMAN

F. R. KILNER, *Editor and Publisher*  
Joan L. Kilner, *Assistant Editor*

### Editorial

#### DEMOCRATIC ORGANIZATION.

The prime feature of the American Association of Nurserymen resulting from its reorganization a dozen years ago was the board of governors, in which state chapters are represented by their delegates, presumably informed on their constituents' wishes. This followed the democratic type of government in this country in that it gave a principal voice in the association's operations to those close to the rank and file. While this has been a wise move, and the board of governors has shown its representative quality, there are two possibilities of deterioration, though so far not indicated to an important degree.

One is that, as the size of the association increases, the agenda placed before the board becomes heavier. Most of the subjects have been passed upon by the board of directors, as the executive committee is now called, and theirs is a burdensome task and entails much work throughout the year. But if the agenda becomes so heavy that one subject must be voted on after another without adequate opportunity for discussion, the possibility of rubber-stamp action is not too far distant. The committees and the board of directors of the association are highly competent and experienced. Their work can be accepted in most instances, and by so doing the board of governors may have more time for its real purpose, to express the voice of the membership and even to initiate programs, rather than just approve them.

No doubt because the historic and other attractions of New Orleans surpassed those of most cities, attendance at the board of governors' meetings was not so nearly complete as at preceding conventions. If the privilege of collecting one's transportation expenses, in part or in whole, does not induce regular attendance, the association may require attendance in some other way. At any rate, the chapters should demand that their delegates give them the representation at every business session to which they are entitled. The defections at New Orleans were not important, but the irregular attendance was noticed.

### The Mirror of the Trade

#### PENALTY OF GREATNESS.

With the growth in the membership of the American Association of Nurserymen, now over 1,300, the attendance at its annual conventions has grown to such size that hotel accommodations are a problem. That was especially true last year when the attendance at Washington, D. C., set a new high record, because it was held in a thickly populated section of the country where nurseries are most numerous and, moreover, because the celebration of its diamond jubilee was an extraordinary occasion.

This year's convention at New Orleans was not expected to come anywhere near that mark because of its location. Yet, that historically interesting city drew over 800 paid registrations and probably another 100 visitors unpaid. It should be borne in mind, moreover, that most of these came a considerable distance, and the usual sizable attendance of the local trade was lacking, at least to the extent that it appeared at the Washington and Boston meetings. With a population of 700,000 and several large air-conditioned hotels, the Crescent city housed this large number without difficulty; indeed, fewer complaints were heard about room accommodations than at some previous gatherings.

Yet the size of the A. A. N. conventions of the present day sets a limit on the number of cities in this country which can comfortably house so many guests. This should be the first consideration when invitations are issued; indeed, the A. A. N. executive committee has requested that, before local contingents arouse interest in their communities, they clear with the Washington office on the matter of adequate and convenient hotel accommodations.

Nurserymen will by no means be deprived of opportunities of visiting trade conventions in the smaller cities of the country, because state and regional gatherings, themselves becoming larger, are well worth attendance by those who have a liking for travel.

Detroit will have ample hotel space for the A. A. N. convention in 1952, as will New York in 1954. In the decision as to future meeting places, the comfortable accommodation of the visitors in this respect should receive primary attention.

#### BINDER FOR BACK COPIES.

Many nurserymen retain their back copies of the American Nurseryman for the illustrations and other features, as well as for the great variety of information made easily accessible through the indexes published in the year-end issue. Such readers have expressed a desire to have back copies more readily available than in a stack on the shelf, but even when a local bookbinder is available, the cost of putting the issues in a bound volume is considerable.

To meet this need, the American Nurseryman some months ago contracted for a quantity of binders, each to hold one-half year, or twelve issues, which is about as heavy a volume as one cares to handle. The binder which is now available is not a cheap one of flimsy cardboard cover which will bend or break, but a handsome substantial holder which is an ornament in any library.

The quality materials which go into this binder have been more difficult to obtain since the government has required so large a share of textile mills output. But the supply of binders has been received after several months, and they are offered at a price which may not be possible when this supply is gone, unless steel and textile prices go down. As only 500 binders were manufactured on the initial order, it is first come first served for the subscribers who desire them.

Your back copies of the American Nurseryman will make an attractive appearance on your library shelf in these binders. And it is a good idea to have one in your office in which to keep current issues as clean as possible. On another page is an order form, together with illustrations and description of the binder, which will be more appreciated when seen.

RECENTLY married at Lawrence, N. Y., were Carol Friedel and S. Philip Dalsimer, Jr., son of Steven Dalsimer, of Dalsimer, Inc., Cedarhurst, N. Y.

PROMOTED to the rank of colonel in a front-line ceremony conducted by the Seventh division commander, Maj. Gen. C. B. Ferenbaugh, Charles M. Mount, Jr., 35, formerly of Mount Nurseries, College Park, Ga., is the youngest full colonel to command an American regiment in Korea.



# New Orleans Warm Host to A. A. N.

Historic New Orleans attracted an attendance at the seventy-sixth convention of the American Association of Nurserymen that rivaled all but those of latest years in thickly populated areas. Paid registration totaled 814. Many family groups drove across country or came by train. The teen-agers' events were welcome. The ladies' luncheon drew 225. From both a social and business viewpoint, the event was successful beyond general anticipation.

Local newspapers reported record heat for the period, as high as 96 or 97 in the afternoon on two days and no lower than 81 at night. But the hotels were well air-conditioned; some rooms seemed chilly, but apparently only by comparison, for thermometers in them read 72 to 76.

Excursions to the French Quarter, day and night, were not curtailed by the hardy visitors. The other sights of the city, near or at the top of the list of interesting localities in this country, were not neglected. Everyone went home satisfied that he had had a good time. It was too hot to think much about business, but it was a week of hot weather in other parts of the country, too.

Headquarters were at the Roosevelt hotel, ideal for a convention in point of meeting rooms. Many stayed at the Jung, St. Charles and Monteleone hotels nearby. The size of the present-day A. A. N. convention poses a hotel problem in any city. At New Orleans accommodations met with satisfaction.

Since there are few nurserymen in the New Orleans area, florists there gave assistance on convention com-



John B. Wight.  
[Elected President of A. A. N.]

mittees. The assistance of Texas and Alabama nurserymen given to those of Louisiana adequately provided arrangements to the satisfaction and enjoyment of the visitors.

## Officers Elected.

Since only one candidate was nominated for the offices of president and treasurer at the opening session, election was thereby certain of John B. Wight, Cairo, Ga., as president, following his two terms as treasurer and one term as vice-president. Peter Cascio, West Hartford, Conn., was chosen vice-president, a reward for hard work in regional organization work, in the "Plant America" program and on the association's board of directors.

As member of the board of directors from region 2, John Fraser III,

of the Huntsville Wholesale Nurseries, Huntsville, Ala., son of a former A. A. N. president, was nominated. For region 4, Vernon Marshall, Arlington, Neb., was reelected. For region 6, Clyde Stocking, San Jose, Calif., former president of the California Association of Nurserymen, was named, inasmuch as C. B. Miller, Milton, Ore., felt increased business burdens at home would prevent his serving further. As director at large was named the retiring president, Wayne Ferris, Hampton, Ia.

Holdover directors are Peter J. Cascio, for region 1; John D. Siebenthaler, Dayton, O., region 3, and J. B. Baker, Jr., Fort Worth, Tex., region 5.

Lester C. Lovett, Little Silver, N. J., was reelected trustee for three years, while C. W. M. Hess, Mountain View, N. J., who had been appointed to fill out the term of the late L. C. Bobbink, was elected for the remaining year of that term.

## Opening Session.

The first general session of the American Association of Nurserymen was held in the University room Monday morning, July 16, when about seventy-five delegates answered roll call and about 150 other members listened to the presidential message delivered by Wayne Ferris. He expressed gratification over the progress of the past year, when the membership of the association reached 1,362. Besides reverses caused by inclement weather in various sections of the country during the past season, he said, the industry faced generally important



Peter J. Cascio.  
[Elected Vice-president A. A. N.]



Clyde H. Stocking.  
[New A. A. N. Director, Region 6.]



John Fraser III.  
[New A. A. N. Director, Region 2.]



The Baby Ramblers' award for outstanding service to the nursery industry this year awarded to Walter B. Clarke, of W. B. Clarke & Co., San Jose, Calif., is accepted in his absence by his partner Walter C. Borchers from James E. Doty, of Doty & Doerner, Inc., Portland, Ore.

problems in legislation, higher transportation rates and mounting taxes. He voiced the organization's opposition to the mounting cost of government and its intrusion into business generally and into the growing of nursery stock in particular. Looking to the future, he predicted home building would be on the increase when and if the Korean war ended.

#### Finances.

John B. Wight then reported as treasurer and presented the budget for 1951-52. To the association's cash balance of July 1, 1950, in the amount of \$107,653.44, there had been added \$137,086.22, consisting principally of dues in the total of \$76,274.49, publicity fund receipts of \$31,900.98 and convention funds of \$20,561.58. Disbursements of \$123,714.20 left a cash balance June 30, 1951, of \$121,025.46.

The proposed budget for 1951-52 called for \$75,254, or \$8,069 more than the preceding year's budget and \$5,452.31 more than the preceding year's expenditures.

During the coming year it is proposed to add a room to the Washington office and to buy office equipment to furnish it. Still another room will be needed for the insurance program.

#### Publicity Report.

Howard C. Taylor, chairman of the market development and publicity committee, reported briefly on

the considerable progress which had been made in the association's publicity work in the past year. An exhibit of newspaper clippings, magazine articles and other such publicity received was set up in the corridor. When Mr. Taylor called on the chairmen of regional subcommittees they replied briefly that the program met with the enthusiastic favor of A. A. N. members in their sections, and while they felt that better progress could have been made, interest was gaining. Mr. Taylor then introduced Howard P. Quadland, who delivered the progress report on the "Plant America" program published on another page, an enlightening presentation of the work accomplished so far in this campaign.

Mr. Taylor then concluded that the committee saw many ways to expand its activity and was interested in ways to get more funds for that purpose. For the present, the committee believed the program should be continued along present lines and that the budget for next year be advanced to \$32,500 for that purpose.

#### Keynote Luncheon.

Decorated with magnolias and philodendrons, the hotel's Grand ballroom was the scene of the keynote luncheon. President Wayne Ferris introduced those at the speakers' table, which included convention cochairmen Rene Casadaban

and Elmer A. Farley, Vice-president John Wight, Victor S. Schiro, city park commissioner; President Geary, of the city parkway commission, and Mr. O'Neil, sales executive of the Atlanta Steel Co.

Two awards were made at the luncheon. First, James Doty presented the Baby Ramblers award for outstanding service to the nursery industry. This year it was a handsome silver cup and the recipient was Walter B. Clarke, 75-year-old president of W. B. Clarke & Co., San Jose, Calif., who has introduced many outstanding new varieties of lilacs, flowering quince and other plants. Since Mr. Clarke was unable to be present at the convention, the award was accepted for him by his partner, W. C. Borchers.

The other award was the second presentation of the Norman Jay Colman award by the A. A. N. for outstanding research on behalf of the nursery industry. The plaque and \$100 honorarium went to Dr. L. C. Chadwick, of the department of horticulture, Ohio State University, specifically for his study entitled, "The Best in Taxus."

L. A. (Slick) Dean, Arp Nursery Co., Tyler, Tex., introduced the 1951 queen of the Texas rose festival, Miss Catherine Roberts, who gave President Ferris a beautiful arrangement of yellow roses and issued an invitation to attend the festival at Tyler, October 5 to 7.

Guest speaker for the luncheon was Robert S. Lynch, president of the Atlanta Steel Co., Atlanta, Ga. He started his address with a history of horticulture from Babylonian days, through the Dark Ages and the Renaissance to its development in America.

As an interesting side light he said that the word "etiquette" took on its present meaning in the time of Louis XIV when the landscape gardeners at the court of Versailles, France, objected to the king about the courtiers' walking on the grass with their high heels. The king ordered cards placed on the lawns to tell people to keep off the grass. These cards were called etiquettes, and, because of the message they bore, the word "etiquette" took on the new meaning of a proper way to proceed in public.

Mr. Lynch went on to tell how the growth of the steel industry aided agriculture and horticulture in giving people more time for gardening and better tools with which to grow plants both commercially and for pleasure.

He concluded with the message that everyone should stop demand-

ing handouts from the government to aid his particular business and that we get business out of government and the government out of business.

### Secretary's Report.

Richard P. White, A. A. N. executive secretary, presented a briefer report than usual. After a historical sketch of the rise of the association in its seventy-six years, and particularly in the past fifteen, to its present size and scope, he referred to possible extension of services. These include group insurance, adopted at this convention; a credit bureau, which the board of directors had disapproved at this time, and a foundation for research. He expressed himself optimistically about the accomplishments of the "Plant America" program and the prospects for its progress ahead.

As to the outlook, Secretary White anticipated amendments to the federal plant quarantine act and, of course, postal rate legislation, which he thought might be more favorable than anticipated earlier. The organization was taking a firm position with regard to the reorganization of the United States Department of Agriculture, since it was believed that the soil conservation service should continue in control of farm forestry and the forest service devote its work to the forests grown for timber on national, state and other lands, where regulation, fire protection and similar services are required.

Secretary White announced that landscape nurserymen had been released from the operation of price controls by an order issued at Washington, D. C., the preceding week.

### Adopt Insurance Plan.

The general A. A. N. session Wednesday morning, July 18, was devoted to a report of the group insurance committee made by R. N. Ruedlinger, chairman, Minneapolis, Minn., and a discussion of that proposal. At the conclusion, resolutions authorizing the project by the national association were adopted without dissent. Secretary White thought the plan might be functioning by November 1, since he hopes to have office space adjoining the executive office at Washington, D. C., available to handle the insurance administration by October 1.

Mr. Ruedlinger said that contacts had been made with nineteen insurance companies and many brokers. From them was learned what was available and at what cost. Ten had submitted proposals when the association's requirements had been

settled upon. From these was selected the John Hancock Mutual Life Insurance Co.

Two questionnaires sent to A. A. N. members revealed that over 200 member firms having 2,866 employees were interested in group insurance and the average age of the persons to be insured was almost 50 years.

The experience of others and the advice received recommended that a simple plan be outlined at the start. Then a more comprehensive coverage can be added later.

Under the present plan the employees will bear the entire expense of life insurance, as required in some states, while the employees will share payment of the premium for hospitalization and surgical care. If he desires, the employer can pay all the expense.

No accident and health program was included, as that was considered too expensive. Likewise, coverage for dependents is not to be undertaken at first, on account of the expense, though it may be later. Particulars of the present plan are given in detail on another page of this issue.

At the same session Vice-president J. B. Wight reviewed the board of directors' activities. These were largely in reference to subjects covered in this report when discussed at other times.

Charles H. Baldwin, Newark, N. Y., presented the report of the

transportation committee, which had engaged in heavy activities during the year. Freight rate advances had applied to all types of shippers, so that there was no point in the association's combating such advances.

After an arrangement had been made with a Washington firm to audit freight bills in order to obtain necessary information for filing a protest against the proposed minimum weight increase and classification rate changes, the proposal of setting up a freight bill auditing office at Washington, D. C., was discussed, but the cost, even when reduced to \$12,000 annually, was considered prohibitive. Hence, members will use their own auditing firms in handling freight bills, as formerly, but Mr. Baldwin asked that all members of the association record their freight and truck expenses on the blotters furnished from the Washington office for this purpose, so that information will be available in the future when needed.

### Mississippi Parkway.

To start the afternoon session Wednesday, July 18, Col. J. Lester White, director of the department of public works for Louisiana, told about plans for the proposed Mississippi river parkway, which will be a series of scenic highways along the Mississippi river valley from Minnesota to Louisiana. It will be a federal-aid project in which the government will help through funds and the acquisition and development of



Dr. L. C. Chadwick, Ohio State University, right, receives Norman Jay Colman award for outstanding research on behalf of the nursery industry, presented by the American Association of Nurserymen from President Wayne Ferris.



historic and scenic spots along the route. The parkway will be landscaped, but with restraint for ease of maintenance.

Colonel White mentioned that Dr. Harlan P. Kelsey, of Kelsey-Highlands Nurseries, East Boxford, Mass., had proposed a series of arboreturns along the highway, as it passes through eight climatic zones.

#### National Garden Program.

Formerly at Iowa State College and now consultant for the national garden and food preservation program of the United States Department of Agriculture, B. S. Pickett told about the government-sponsored national garden program, also called the liberty garden program. It has been organized along lines comparable to the victory garden program during World War II. A conference of interested persons met in January and recognized the place of gardening in civilian defense and its value in promoting health and morale and recommended that the U. S. D. A.

sponsor a program of gardening and home food preservation in 1951 in the interest of national defense and as a step in preparedness in the event of serious national emergency. The national garden program disseminates information through state extension services and county agencies and horticulture and amateur garden groups.

Mr. Pickett estimated that there are nearly 3,000,000 more gardens this year than in 1950 and there would easily have been more had it not been for adverse weather in some sections. Increased seed sales, reports from extension services and garden editors and observations of government officials support this estimate.

#### Landscape Policy Statement.

The remaining part of the afternoon was given over to the board of governors' consideration of association business. Each was discussed by a different member of the board of directors.

First was the consideration and adoption of a policy statement on regulation of landscaping by law, which was discussed by John D. Siebenthaler. The resulting resolution put the A. A. N. on record as being "in general opposition to all laws or regulations limiting the use of the generic terms 'landscape' or 'landscaping' or which restrict the practice of planting, designing or supervision of the development of land use, the preparation of landscape designs and the installation of landscape plantings, or the maintenance of landscaped areas, including homes, highways, parks, or other public lands, which include as qualifications for licensees, and reasonable educational requirements or excessive periods of practical experience, except where such law or regulation is clearly necessary to safeguard life, health and property."

The desirability of having direct appropriations for conventions instead of counting on income from commercial exhibits was discussed, but the matter was tabled for final action until the next convention.

#### Quarantine Actions.

After a discussion of proposed revisions of the quarantine act 37 by James I.E. Ilgenfritz, the association voted a reaffirmation of its policy relating to "point-of-origin" inspection, namely—that, on the basis of past experience with ports of entry as published in the annual reports of the U. S. D. A. under the title of "Pest Interception," the A. A. N. is opposed to the acceptance by this government of any "point-of-origin" inspection and certification. A resolution was passed, with the instruction that it be forwarded to the proper authorities of the U. S. D. A. and of the Dominion department of agriculture of Canada, that due to the pest risk involved in permitting nursery stock to be imported from foreign countries with earth, soil or sand and other growing media attached to the roots into Canada, and due to the distinct possibility that pests introduced into Canada by this means are likely to find their way into the United States on nursery stock propagated and grown in Canada and so certified, the A. A. N. requests the proper officials of the U. S. D. A. to review the favored nation treatment granted to Canada in regard to international plant quarantine matters and to confer with the officials of the Dominion department of agriculture in regard to the above matter.

Recently Mr. White conferred with U. S. D. A. officials on the mat-

#### OVER FIVE CENTURIES IN NURSERY BUSINESS.



In the New Orleans Item for July 15 was reproduced a photograph of the eight directors of the American Association of Nurserymen, with the comment that they represented firms with a total of 589 years in the nursery business. In the illustration on this page they appear, left to right, above, John Siebenthaler, of the Siebenthaler Co., Dayton, O., 83 years; Robert Baker, Jr., Baker Bros. Nursery, Fort Worth, Tex., 67 years; Vernon Marshall, Marshall Nurseries, Alington, Neb., 64 years;

C. B. Miller, Milton Nursery Co., Milton, Ore., 73 years, and Peter Cascio, Peter Cascio Nursery, West Hartford, Conn., 48 years. Below are James Ilgenfritz, Ilgenfritz Nurseries, Inc., Monroe, Mich., 104 years; John Wight, Wight Nurseries, Cairo, Ga., 64 years; Wayne Ferris Nursery, Hampton, Ia., 86 years, together with R. P. White, A. A. N. executive secretary.

News stories regarding the convention appeared in liberal space in the New Orleans newspapers.



ter of plants growing in peat moss being permitted entry into this country, and tests are now under way to see if his views that peat moss can carry various classes of insects that live and feed on roots of plants just as soil, sand and other growing media, which are prohibited, can do. The A. A. N. resolved that, due to the pest risk involved in permitting the importation of plants grown or established in peat moss and growing in media other than sand, soil or earth, the proper officials of the A. A. N. seek an amendment to the rules and regulations of plant quarantine 37, to the effect that all media in which plants have been grown or have been established be prohibited entry into the United States from any foreign country except Canada, whether attached to the roots of plants or free therefrom.

#### Establish Siebenthaler Foundation.

A committee composed of Peter Cascio, R. B. Baker, Jr., and James I. E. Ilgenfritz prepared a recommendation, presented by Mr. Cascio and passed by the board of governors, that an A. A. N. research foundation be established. This is to be called the Clarence O. Siebenthaler Research Foundation in honor of the late Clarence O. Siebenthaler. It is proposed to raise \$100,000 both from the membership and outside the membership to have as a principal sum and to spend only the proceeds. The offices would be separate from the Washington headquarters of the A. A. N., though they might be located in the same space, and would be run by trustees separate from the board of directors of the association.

The foundation is a fitting tribute to the late Clarence Siebenthaler, who rendered invaluable service to the A. A. N. President of the A. A. N. in 1936, he was in large part responsible for the successful reorganization of the association. At the time of his death, October 11, 1950, he was attending a conference of executive members of the market development and publicity committee, of which he was chairman.

#### Other Resolutions.

After the report by Vernon Marshall, region 4, the association went on record as favoring the position taken by the executive secretary and transmitted to Secretary of Agriculture Brannan that the soil and conservation service should be made responsible for all farm forestry activities and the forest service be given full responsibility for all departmental activities relating to commercial timber production exclusive

of those which are an integral part of farm planting.

There was considerable discussion on the advisability of printing the annual proceedings in the present verbatim form or issuing a condensed, popular version. A decision to change to the new form was nullified later, as the motion had not been according to correct parliamentary procedure.

#### Final Session.

At the concluding session Thursday morning, July 9, the board of governors finished the business of the

convention and listened to invitations for future meeting places.

Completing the agenda of the preceding afternoon, Secretary White reported the recommendation of the directors that invitations be cleared through the association office before being presented to the convention, so that it may first be ascertained if hotel accommodations are adequate in the proposed locality. The directors further recommended that the vote by the delegates on meeting places be by written ballot.

The proposal of a credit-reporting service was studied by the board of

### MEMORIAL ROSE GARDEN GIVEN TO NEW ORLEANS.



As a lasting memento of the A. A. N. convention, the city of New Orleans was gifted with a rose garden. Named the Korean War Memorial Rose Garden, the planting was made in cooperation with All-America Rose Selections, Inc. Eight beds line a wall through the Saratoga expressway from Canal street to Union station. One hundred eighty-five plants, mostly of the All-America award winners for 1950 and 1952, fill the beds. The plants, donated by their originators, are Vogue and Fashion, by Jackson & Perkins Co., Newark, N. Y.; Fred Howard, by Howard & Smith, Montebello, Calif. and Helen Traubel and Sutters' Gold, by Armstrong Nurseries, Ontario, Calif. Representing these firms, respectively, at the dedication, were Charles H. Perkins, Leon de Staute and J. A. Armstrong.

A. A. N. President Wayne Ferris opened the dedication ceremonies and then introduced Eugene Boerner, of Jackson & Perkins Co., president of All-America Rose Selections, Inc., to say a few words. Shep Morrison, mayor of New Orleans, accepted the garden for the city. Others introduced were officials of the city park commission and Miss Catherine Roberts, queen of the 1951 Texas rose festival. Wilson S. Callendar, president of Floral New Orleans, Inc., served as master of ceremonies.

Shown at the dedication ceremonies in the photograph reproduced above are, left to right: E. S. Boerner, retiring A. A. R. S. president; deLesseps S. Morrison, mayor of New Orleans; Miss Catherine Roberts, queen of 1951 Texas rose festival, and Wayne Ferris, retiring A. A. N. president.

directors, said Mr. White, and the decision at this time was in the negative.

Favorable vote was taken on an appropriation of \$300 for the educational program of the National Landscape Nurserymen's Association.

On information that amendments had not been made in accordance with parliamentary procedure at the preceding session, the delegates rescinded the action then taken with regard to the publication of the annual convention proceedings. They will be printed in the usual book form for distribution to all members this year, but the board will give consideration to a change in future publication.

Report of the necrology committee read by F. R. Kilner revealed the recent deaths of several members, reported in the obituary columns of this issue.

#### New York for 1953.

Since Detroit last year was selected as the meeting place for 1952, invitations were offered for following years.

Howard Taylor spoke in behalf of New York city, introducing "Buzz" Sherry, of the New York convention bureau. Frank S. LaBar spoke for Atlantic City, N. J., with support of Daniel Moltz, of the seaside resort's convention bureau. But Mr. LaBar admitted he represented a minority group in region 1 and hoped senti-

ment would be favorable at a later time. J. D. O'Connor told of the facilities of the Waldorf-Astoria hotel at New York to accommodate the convention, New York was thereupon voted unanimously the 1953 convention place.

For 1954, Harold Reid presented invitations from Minneapolis. St. Louis was urgently advanced by Edwin J. Stark, supported by Joseph Houlihan, president of the Missouri Nurserymen's Association, and Edward Ambo, president of the Western Association of Nurserymen.

Des Moines, Ia., has also issued an invitation for 1954, stated Secretary White, while Toronto, Canada, desired the convention in 1955, but J. A. Aitken, president of the Canadian Nurserymen's Association, was not able to present the invitation in person as he had been called home.

Los Angeles, Calif., was proposed by J. A. Armstrong for 1955 if it was decided to retain the convention on American soil instead of going to Canada, and for 1956 if decision was otherwise.

Harold Hopkins spoke vigorously in behalf of Seattle, Wash., for 1956.

Walter Campbell proposed, for region 2 at some subsequent time, a convention aboard a coast-line vessel, such as the Furness steamer Queen of Bermuda, from New York to Norfolk and Charleston.

#### A. A. N. SPECIAL TRAIN.

A special train originating at Chicago Thursday afternoon, July 12, carried 127 passengers to New Orleans for the A. A. N. convention. W. J. Smart, of the D. Hill Nursery Co., Dundee, Ill., A. A. N. transportation chairman, made all arrangements and was gifted with a wrist watch, complete with alarm and gold bracelet, from his appreciative passengers.

The train made a deviation from the usual Illinois Central railroad route to stop at Natchez, Miss. It was said to be the first Pullman train to come into the city for twelve years. At Natchez, conventioners boarded four busses to visit eight of the famous ante bellum mansions at and around Natchez. Ample time was given to walk through each home and around the grounds. These homes and many others, as described in the American Nurseryman for July 1, have been preserved or restored to their original state in pre-Civil War days.

Returning to the train after the 4-hour tour, conventioners were treated to strawberry shortcake on the dinner menu, the strawberries through the courtesy of Victor Judson, Judson Wholesale Nurseries, Bristol, Ind. They were his new Red-Rich variety, frozen in August, 1950, and claimed to be one of the best kinds for freezing.

In the club car blueberries were enjoyed as hors d'oeuvres, through the courtesy of A. W. Krieger, Krieger's Wholesale Nursery, Bridgman, Mich.

A few passengers detrained shortly after midnight when the special train pulled into New Orleans, but the majority elected to have a good night's sleep and wait for the official welcoming committee at 8 a. m. Then transportation chairman Bill Smart had cabs waiting to transfer conventioners and baggage to their hotels.

Nearly as many returned from New Orleans to Chicago on special cars hooked to the Panama Limited, leaving New Orleans Thursday afternoon, July 19, and arriving at Chicago the next morning.

FOR nineteen years associated with Monroe's Landscape & Nursery Co., Atlanta, Ga., James A. Stubbs has acquired an interest in Frank A. Smith Nursery & Landscaping, 225 Pharr road, Atlanta. Mr. Stubbs is secretary-treasurer of the Southern Nurserymen's Association.



Official welcome to New Orleans was given passengers on the A. A. N. special convention train as it arrived at the convention city. Left to right: Victor S. Schiro, city commissioner of public buildings and parks, extending greeting to Lloyd S. Stark, chairman of the board of Stark Bros. Nurseries & Orchards Co., Louisiana, Mo., and former governor of Missouri, and Miss Joan L. Kilner, assistant editor of the American Nurseryman, Chicago, representing the train passengers, while Rene Casadaban, Casadaban's Nursery, Abita Springs, La., A. A. N. convention chairman, flashes a smile of welcome at other passengers.

# A. A. N. Group Insurance Plan

Adopted July 18, at the New Orleans convention, the American Association of Nurserymen group insurance plan will be available to all members except those in two or three states where their laws prevent. The plan starts simply with life insurance and equal coverage for accidental death and dismemberment, plus hospital and surgical expense. The latter cover accidents and illnesses not incurred in employment, as they are covered by workmen's compensation insurance. Other features may possibly be added later. Comments in this regard are included in the report of the session at which the plan was voted adoption.

Aside from the premiums paid by members, the insurance is expected to be of no cost to the American Association of Nurserymen. While an appropriation of \$7,500 was required for the first year's operation, including \$1,500 for office equipment to be purchased, dividends from the insurance underwriters, received annually after the first year, may be applied against such expense and thereafter cover the cost of the association's insurance bureau at Washington, D. C.

The insurance will be operated under a trustee agreement between the association and the insurance company selected, which is the John Hancock Mutual Life Insurance Co., Boston, Mass. Elected as such trustees by the board of governors were the following members of the committee which devoted much work to the preparation of the plan: R. N. Ruedlinger, chairman; Howard Taylor, and Albert F. Meehan.

The insurance will become effective when 600 lives have been enrolled and the premiums paid. If the Washington office space is available as planned, the insurance plan may be in operation by the end of the year.

## Coverage.

All owners, operators, partners, executive and administrative and all other full-time employees of all active and associate members in good standing are eligible for coverage.

No physical examination is required, and there is no age limit except that employees over 65 years of age are limited to \$1,000 maximum life insurance and accidental death and dismemberment coverages.

The same premium applies for all persons regardless of age differences. Firms with one or more employees

are eligible. Firms composed of man and wife, both working and drawing income from the business, are eligible.

Firms now carrying their own group insurance for their employees may join the A. A. N. plan at the annual expiration date of their plan.

An employee terminating employment has the right to convert his life insurance within thirty days without physical examination to any permanent type of insurance he selects, but not in an amount greater than that carried under the group plan.

## What "Package" Includes.

Group A. Officers, partners, owners, proprietors: \$5,000 life insurance and an equal amount of coverage for accidental death and dismemberment.

Group B. Department supervisors, field foremen, superintendents, salesmen: \$2,000 life insurance and accidental death and dismemberment.

Group C. All other full-time employees: \$1,000 coverage in both categories.

For all groups: Hospital expense, daily maximum benefit, \$8; maximum for special services, \$120; maximum surgical expense benefit, \$200.

## Benefits.

In case of death the face value of the policy is paid to the beneficiary named by the insured.

In case of accidents resulting in permanent and total disability prior to one's sixty-fifth birthday, and the disability is continuous until death, premium payments are waived and the full amount of insurance will be paid at death.

The plan covers losses due to injuries which do not arise out of and in the course of employment. (These are covered by workmen's compensation.)

The full amount of insurance will be paid for the loss of life, both

hands, both feet, sight or both eyes, one hand and one foot, one hand and sight of one eye, one foot and sight of one eye.

One-half the full amount of insurance will be paid for loss of the sight of one eye, one foot or one hand.

Hospital expense benefits are paid when the employee is confined to a legally constituted hospital on the recommendation of a legally qualified physician or surgeon.

Hospital benefits are payable for any nonoccupational accident and for any disease not covered by workmen's compensation laws.

Hospital benefits payable for hospital confinement resulting from pregnancy (maximum fourteen days) which commences while the employee is insured or which existed on the effective date of the employee's insurance if such date is within thirty-one days of the effective date of the plan.

A daily benefit of \$8 is paid for each day of confinement in the hospital up to a maximum of thirty-one days during any one continuous period of disability.

Additional benefits up to \$120 are paid for miscellaneous hospital charges, including anesthetics, ambulance service, etc.

Surgical benefits up to a maximum of \$200 are paid for operations which are the result of any nonoccupational accident, or for any disease not covered under any workmen's compensation law or act.

Obstetrical benefits are also payable for operations due to a pregnancy.

The employer is required by law to pay entire cost of coverage for life insurance portion of this package. It is recommended that he also pay full cost of accidental death and dismemberment portion, and to share the cost of hospital benefits with employee on a 50-50 basis.

## Cost Apportioned as Recommended.

	Life	AD & D	Hospital	Surgical	Combined quarterly cost	Combined monthly costs	Combined weekly costs
Group A							
Company ...	\$16.95	\$1.34	\$1.55	\$0.70	\$20.54	\$6.85	\$1.58
Employee ...	...	...	1.54	.70	2.24	.75	.18
Group B							
Company ...	6.78	.54	1.55	.70	9.57	3.19	.74
Employee ...	...	...	1.54	.70	2.24	.75	.18
Group C							
Company ...	3.39	.27	1.55	.70	5.91	1.97	.46
Employee ...	...	...	1.54	.70	2.24	.75	.18



## Panels on Growers' Day

Two sessions, morning and afternoon, July 17, made up the growers' meeting, composed of three panel discussions at which A. A. N. Vice-president J. B. Wight presided.

### Retail Merchandising.

The opening panel on retail merchandising brought an audience of 150 to 200 persons. Peter J. Cascio, Peter Cascio Nursery, West Hartford, Conn., was the moderator and kept things going at a fast pace, so that the four members of the panel presented a great deal of worth-while information in the hour and one-half devoted to this panel.

Speaking on the mail-order phase of retail merchandising, Norman J. Scott, Brookdale-Kingsway, Ltd., Bowmanville, Ont., Canada, admitted that he was constantly trying new ways and had departed considerably from the practices of fellow nurserymen in the thirteen years since he had become manager of the business. He relies on the classified advertisements of local newspapers to stimulate sales, offering items of merchandise, not a catalog. He uses space consistently, even out of season. Emphasis is placed on a few items so that they may be handled in volume.

Seeking to blanket the immediate area, in which there is a population of 4,000,000 persons, he uses mail circulars addressed to box or household. Formerly his advertising spread over the country, but it is now concentrated in the local area. Special offers appear on order acknowledgments and anything else that goes out by mail so that contacts with custom-

ers will be frequent. He does not send a catalog to a person who has received it the preceding year, unless the customer requests it, but he is debating that policy with himself.

He changed the policy of the company to pay transportation charges and now all items are sold F.O.B. While the firm's written guarantee is to replace stock at half price, he thinks it better to replace casual claims in full without investigation, as being cheaper than writing letters and a means of obtaining good will.

Mr. Scott was emphatic about choosing advertising media carefully so as to get the most for one's dollar, as otherwise it is expensive.

### In the South.

Bill Biggs, sales manager for Wolfe Nursery, Stephenville, Tex., dwelt on the mail-order aspects of a business which also includes a retail salesyard and a wholesale department.

Radio, newspapers, magazines and customers are relied on as sources of names to which the firm's catalog is sent. Customers receive a small bonus for suggesting prospect's names, and to each of these a return post card is sent to invite a request for a catalog. If a customer does not order from a catalog, the following year a return card is sent to see if he desires the new issue.

Contrary to Mr. Scott's practice, Mr. Biggs said his staff wrote many letters, personally answering inquiries, so as to create and hold the good will of customers.

The order form accompanying the catalog has printed on it all the items offered so that the customer has only to indicate the quantity. In the warehouse the items are arranged in the same order as on the order form, so that order fillers must do no backtracking. This saving, he said, enables the firm to do more business with less than half the labor under the former method.

His firm had changed from pre-paying orders to an F.O.B. basis, except on parcel-post packages. The C.O.D. charge to collect the postage on these is considered excessive and so, instead, a return envelope is enclosed indicating the amount of the postage and asking the customer to remit. What proportion of the parcel-post payments is obtained from customers is not known.

In the salesyard the same prices are charged as in the catalog, because customers come from a dis-

tance and stock must be wrapped when carried away. Two hostesses serve hot coffee and cookies in the salesyard, so that customers do not feel they are waiting for a salesman if one is not immediately available.

### Garden Center.

Richard Wyman, Jr., Wyman's Framingham Nurseries, Framingham, Mass., described how he and his father had started an elaborate salesyard in the spring of 1948, carrying out the slogan, "Everything for Your Garden." The location is on the most heavily traveled highway in Massachusetts and in an area where there are 4,000,000 persons within thirty miles.

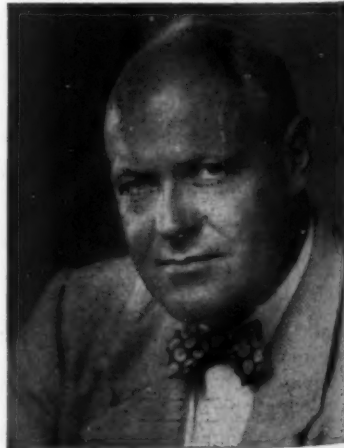
The garden center stands 100 feet back from the highway to permit plenty of parking area, which will accommodate 200 cars. An extensive show window, to attract passing motorists, is provided by a lath house 110 feet long, then fifty-five feet of store front with glass ten feet high, then forty-two feet of greenhouse and finally a lath house of forty feet devoted to annuals and perennials, all stretching parallel to the highway. Offices and rest rooms are in an ell, connecting with a 2-story warehouse for supplies, 40x70 feet.

Garden displays form a further attraction, with tulips in the spring, then flowering annuals and later chrysanthemums. A neon sign on top of the buildings is turned on from middle afternoon to 1 a. m., and ample light is provided in the store.

The 130-acre nursery supplies 75 per cent of the stock sold. Mr. Wyman asserted that quality stock is



Norman J. Scott.



Richard Wyman, Jr.





Charles Armstrong.

necessary and that can be controlled by growing it. Furthermore, stock is wanted early in the spring, when there is sometimes delay in securing it from wholesale growers.

Besides an over-all manager and assistant, there is a manager for each of the three sales departments: Florists' including bedding plants, annuals, perennials and roses; store, providing all garden accessories, and lath house, offering evergreens, shrubs, trees and vines.

Sunday closing was the rule at first, but the past two years the salesyard has been open on that day and on evenings during the week. During the spring rush eight regular members of the sales staff work seven days in a week, being paid overtime for Sunday, payment being made at vacation time. Much part-time help is hired in the rush season, including schoolteachers, insurance salesmen and women. During the fall and summer the regulars are given Tuesday off if they work Sunday.

Each plant carries a tag with the firm's trade-mark and the price. No provision is made for self-service, as most of the stock is too heavy. Only privet, barberry and fruit trees are handled bare-root. Everything else is either balled or in containers.

Newspaper advertising is used heavily and the advertisements have a distinctive style which is promptly recognized. The radio is used for special promotion. Next autumn it is planned to broadcast from the garden center every two weeks. No catalog is printed, only a small price list, and little direct-mail advertising is employed.

Promotion of special events is emphasized, such as live reindeer at Christmas, colored rabbits at Easter and the like. A playground is pro-

vided for children while their parents have salesmen's attention.

Replacements are made freely and promptly, as a matter of saving time and securing good will. The emphasis is on quality stock. Mr. Wyman admitted that a salesyard could be run on a price basis, but the two could not be mixed, and the price operator might better buy his stock than grow it himself.

Salesmen are now carried on a salary basis, as they have the interest of the firm at heart, instead of the impulse to make a quick dollar when they were on commission.

#### Self-service Salesyard.

Charles Armstrong, of the Capital Nursery Co., Sacramento, Calif., described his salesyard, which was carefully planned for self-service. This, he said, requires advance preparation and planting. The service counter is at the exit, where the best man should be placed to check the customers' purchases, because he must answer questions at the same time. Because of the arduous nature of this job, it is operated in shifts. Salesmen are available if the customers desire them. Mr. Armstrong believes a sales staff is necessary, but if arrangements are provided for self-service, more sales are obtained per man-hour.

His salesyard is on a main highway, with 350 feet of frontage and parking area for fifty cars. The center building is an octagon, pictured previously in these pages, and paths radiate in different directions toward store, beds and lath house.

Thorough labeling is necessary. Each plant should carry its name, price and information about it. In addition, explanatory signs here and there guide the customers and simplify operations. A self-service establishment should be clean, business-like and well arranged. The extra items that bring the profit must be displayed where they are ready to buy. Some stock damage must be expected, but that is not much, said Mr. Armstrong.

#### Cost-saving Devices.

Following the panel discussion on retail merchandising, an hour was devoted to a panel on production cost-saving devices, with Lewis Bookwalter, Berryhill Nursery Co., Springfield, O., as moderator.

Albert B. Flemer, F & F Nurseries, Springfield, N. J., described and showed slides of a hydraulic scoop or loader used for the past two and one-half years. Mounted on two parallel bars, it can be attached or detached in one and one-half minutes on any

3-wheeled tractor. It will lift 1,800 pounds and is useful for moving topsoil, manure or other such material and lifting heavy plant balls onto trucks. It will pick a heavy balled plant off the ground and place it into the desired location on a truck without loosening or damaging the ball. At the same time, it can be used to backfill the hole from which the plant was dug.

When the firm moved its office from town to the nursery outside, 230 truckloads of topsoil was taken from the old site to fill a low spot of poor soil at the nursery. The scoop helped do this job quickly. It was used to make a drainage ditch 122 feet long and six feet wide in two days. The scoop holds from one-half to three-fourths of a square yard of soil.

#### Evergreen Scion Cutter.

Richard R. Bloss, Jr., Sneed Nursery Co., Oklahoma City, Okla., exhibited and described a machine he had developed to cut evergreen scions. He had built four such machines previously before he obtained this satisfactory one. Each scion is placed between two heavy blades, which are parted by the operation of a pedal. When the pedal is released and the blades come together, the operator pulls the scion toward him and the blades slice the base of the scion into the required shape. With the use of the machine, five men grafted 58,000 evergreens in six weeks, whereas without the machine the same number of men did only 25,000. The machine does the job, said Mr. Bloss five times as fast as it can be done by hand.

He commented on other labor-saving devices, such as tree diggers and root pruners operated by a tractor. One is designed to root-prune evergreen seedlings in the bed and



Richard Bloss.

can be adjusted to one-fourth inch in depth.

The Lowther tree planter, pulled by a tractor, can be reduced to about three-fourths mile per hour if put in low gear. At that speed evergreen liners can be set three or four inches apart. This machine, asserted Mr. Bloss, saved ten men three weeks' time in the spring planting season.

Aluminum irrigation pipe is employed, with overhead sprinklers. Connected with a steel main pipe underground, the lightweight pipe can be shifted anywhere in the nursery. In one and one-half hours two inches of rain can be spread over three acres.

#### Machinery and Mules.

At the extensive fields of the Mount Arbor Nurseries, Shenandoah, Ia., the latest of mechanical devices are sought, but some old contrivances are considered better, and in some seasons the twenty-six head of mules are indispensable. Rotary tillers are useful in seedbeds and fields. The Ferguson side-delivery rake is used to level the ridge made when lining-out stock is planted. The high-row cultivator, straddle-row sprayer, Kelly digger and other machines were shown. The last is a 2-row digger and shaker in which the blades are tapered like a lister, the point easing progress through the soil, as compared to the even edge of other diggers.

Transplanters had not found favor, although an English machine, called the Roboc, was described, a recent acquisition at the Inter-State Nurseries, Hamburg, Ia.

#### Panel on Shade Trees.

In the afternoon, John D. Sieben-thaler presided over a panel on "Shade Trees—New and Old," at which the attendance unfortunately was scarcely one-quarter of that at the morning session.

Dr. L. C. Chadwick, of Ohio State University, opened with comments on the outlook as to the demand for shade trees. He had sent out 180 copies of the questionnaire, of which twenty-nine were returned. The conclusions were that there would be a stable or slightly increased demand in the next five years, mainly in small trees. There is wider request for different species of small trees than in the past. Complaints occur of an inadequate supply of shade trees in the bigger sizes.

Ray Hartman, president of Leonard Coates Nurseries, Inc., San Jose, Calif., read a thorough paper on growing shade trees for the west coast, in which lists were presented

for various areas in California and other Pacific coast states.

Dr. James Foret, of Southwestern Louisiana Institute, Lafayette, La., spoke briefly on small trees for small properties in the south. Homeowners with limited space, he believed, should be able to combine shade with flowers or fruits. In some cases plants ordinarily used as shrubs could be pruned or trained to produce small trees. Those he particularly recommended were flowering dogwood, yaupon, cherry laurel, loquat, high-budded citrus, persimmon, mimosa, redbud, chinaberry, holly, fringe tree and weeping willow. Among the large shrubs were in-



Ray Hartman.

cluded the pineapple guava, podocarpus, pittosporum, wax ligustrum, crape myrtle, althaea and fig.

William Flemer III, Princeton Nurseries, Princeton, N. J., commented concisely on a dozen less common small trees for the northeast. These included the columnar Norway maple, sentry maple, Rochester maple, pyramidal ginkgo, Prunus sargentii, Cladrastis lutea, Halesia monticola, phellodendron, Koelreuteria paniculata, Malus baccata, Hopa crab and Oxydendrum arbo-reum.

Concluding the session, Edward H. Scanlon, commissioner of shade trees at Cleveland, O., showed slides of street trees. He inveighed against planting of American elm and other large trees on city streets and emphasized small trees useful for that purpose. He thought that selections of present common trees, such as maples, might be more profitable and readily helpful than experiment with newer species. He thought highly of the Asiatic maples, including Acer giscum as the foremost.

#### TRADE EXHIBITS.

For several reasons the A. A. N. convention did not feature the usual large number of trade and educational exhibits. However, two nurseries and two peat moss firms welcomed visitors to special displays in their separate sample rooms immediately above the convention floor, and a mist blower manufacturer rented space across the street.

Steve Verhalen brought a sizable display of deciduous and evergreen stock, some in cans, and others for lining out, representing some of the stock offered by the Verhalen Nursery Co., Scottsville and Dallas, Tex.

A display of potted evergreen lining-out stock was shown by T. G. Owen & Son, Columbus, Miss. Mr. and Mrs. Herman Owen also showed some fine color slides taken by Mr. Owen of their nursery fields and their garden shop.

Malcolm T. Graham, vice-president of Premier Peat Moss Corp., New York, showed both bales and handy cartons of Premier peat moss. The cartons, relatively new to the Premier line, have found a ready sale to nurserymen with garden supply departments because of their attractiveness and convenient size.

Mr. and Mrs. W. H. Sierke, of the Trans-Sphere Trading Corp., Mobile, Ala., showed Rex German peat moss and Rex German reed mats, dipped in insect-killing copper naphthalene, for hotbed, coldframe and lath house shading. An interesting addition to the display was photographs showing the cutting of the peat blocks in Germany, their further preparation and method of transportation to the docks for shipment to the United States.

Unable to secure space in the hotel to display the Buffalo Turbine mist sprayer-duster, K. R. Popham rented space across the street from the Roosevelt hotel for the exhibit of the Buffalo Turbine Agricultural Equipment Co., Gowanda, N. Y., and drew good attendance.

The hallways on the convention floor were decorated with plants in cypress tubs. The tubs were provided by Black & Godwin Nursery, Orange, Tex., and the plants from ten Louisiana Nurseries: McKee's Nursery, Covington; Kiskatom Nurseries, Madisonville; Straughan's Nursery, Loranger; Stoute's Nurseries, Youngsville; Grandview Nursery, Youngsville; Henderson's Nursery, Lafayette; C. G. Simon Nursery, Lafayette; Girard Camellia Nursery, Lafayette; Jennings Nursery Co., Jennings, and Henry Kraak Nursery, New Orleans. A placard bore the

[Concluded on page 24.]

# Meeting and Tours for Landscape Men

At the twelfth annual meeting of the National Landscape Nurserymen's Association, July 17, in the Gold room of the Roosevelt hotel, New Orleans, Louis Hillenmeyer, Jr., Hillenmeyer Nurseries, Lexington, Ky., was advanced to the office of president, and Charles G. Armstrong, Capital Nursery Co., Sacramento, Calif., was elected vice-president. Newly elected to the executive committee were Merton Natorp, W. A. Natorp Co., Cincinnati, O., for region 3, and Jack Evans, Evans & Reeves, Los Angeles, Calif., region 6. Reelected for another term were Miss Catherine Huber, Jennings Nursery Co., Jennings, La., region 5, and Homer K. Dodge, Landscape Service Co., Framingham, Mass., region 1. The retiring president, Ralph Griffing, Griffing Nurseries, Beaumont, Tex., became director at large. Holdover directors are Dan Gardiner, Boon Gardiner Nurseries, Louisville, Ky., region 2, and Harold Reid, Park Nurseries, St. Paul, Minn., region 4.

The morning session was called to order by Miss Catherine Huber, who was in charge of planning the program. She first presented President Ralph Griffing, who made a brief address of welcome, reviewed the growth of the association from its formation in 1941 with twenty-one firms to the present membership of over 200, explained the setup of the organization and then told of regional meetings and other activities of the past year.

In the absence of both the retiring secretary and the new secretary, Lloyd Platt, Platt's Landscape Nursery, Davenport, Ia., Vice-president Louis Hillenmeyer, Jr., read the final report from Harold E. Hunziker, M. J. Hunziker & Sons, Niles, Mich., who resigned earlier this year as secretary-treasurer because of ill health. Later in the session a resolution was presented by Homer K. Dodge praising Mr. Hunziker on a good job well done, and the membership voted unanimously to send a copy of the resolution on a special scroll to Mr. Hunziker.

## Growth of Landscape Firm.

First of the two speakers of the morning was Gordon Lambert, of Lambert Landscape Co., Shreveport, La., who told about his firm in a talk entitled "The Development of a Landscape Company." Mr. Lambert's company was started thirty-

one years ago by his father, J. O. Lambert, who moved with his wife and four sons to Shreveport from Mobile, Ala. Starting out with just a lawn-mowing service, Mr. Lambert soon established a small retail salesyard and later moved to a larger tract of land, which the company occupied for the next twenty-five years. Today Gordon Lambert and his father operate the firm at Shreveport, while two brothers, Joe and Henry, operate a large firm at Dallas, Tex. The fourth brother is dead.

The company at Shreveport has more than 200 persons on its year-

done by the Lamberts. They do work on straight contract basis, fixed fee, cost-plus, or any other combination, and some FHA work. The average customers are usually middle-aged, with children married or in college, and building their second and last home. They have usually been in the home for five years before doing much landscaping. The Lamberts prefer to sell the customer an idea for a plan. They prefer to be consulted before the home is started, to cooperate with the realtor, architect and building contractor at the outset, if possible.

About three to four per cent of the gross income is spent on advertising. The Lamberts find that a general catalog does not pay in their types of business, but they send out brochures and little pamphlets from time to time to stimulate interest. Newspaper advertisements are of the suggestive type, with occasional ads for sales. But they find that the stereotype nursery advertisement of a plant at a price does not bring in extra business. Community donations create good will without too much cost. Radio and television advertising are new to the Lamberts, but they are trying it.

## Architect's Views.

"An Architect's Views on Landscape Design" were expressed by Karl F. Kamrath, of McKie & Kamrath, architects, Houston, Tex. His remarks were primarily confined to modern, functional or organic types of architecture in residential, commercial and other types of structures.

Mr. Kamrath believed that the architect should have control of the landscape design in the broad sense of the term. That is, he should, in general, approve what the landscape design is to be, but not necessarily dictate it. There should be close collaboration between the architect, building contractor and landscape nurserymen so that the final result is in complete harmony. The architect can indicate his ideas as to form, color and mass, but the selection of plants should, of course, be left to the landscape nurseryman.

The public must be educated to accept and even to insist on competent landscape design as part of building construction, said Mr. Kamrath. However, he admitted that prohibitive building costs affected this, for it now costs three times what it did



Louis E. Hillenmeyer, Jr.

around payroll. Gross income is expected to be over \$2,000,000 this year. Services have been added and expanded to fill requests from customers, so that, in addition to regular landscape service, the Lamberts are architects, contractors, consulting engineers, tree experts, city planters and interior decorators and also operate a greenhouse and a gift shop. The firm is equipped to do a variety of jobs beyond usual landscape work, such as plumbing, electrification, painting, carpentry, brick laying, etc.; so there is no need to call in other contractors when projects call for these special services. Earlier this year the Lamberts made a tour of Europe to buy more statuary to have for special landscape garden jobs.

Mr. Lambert said that, when his firm has prepared a landscape plan, the customer pays for it and it becomes his property. He may or may not then have the landscape work



in 1941 to execute an identical plan. He advocated the long-range landscape plan, as it is more economical in the long run and usually avoids costly mistakes.

At the close of his talk there was some discussion from the floor. Mr. Kamrath admitted that sometimes the architect did not give the landscape man the best possible site or area to work on, but he said that there was no end to what a clever landscape planner could do with a piece of ground, no matter what the size. And he said that he had seen some wonderful landscaping cover up some architectural monstrosities.

#### Mechanized Landscaping.

To open the afternoon session J. A. Aitken, of Rosehall Nurseries, Ltd., Brantford, Ont., Canada, president of the Canadian Association of Nurserymen, presented an excellent talk on "Mechanization in Landscape Work."

In addition to many small private jobs, Mr. Aitken's firm does a great deal of work for the department of defense and this year is landscaping more than 2,500 homes for the government. In order to make a low enough bid to be awarded such projects and still make a profit on them, Mr. Aitken had to mechanize the work as far as possible in order to save on costly labor. He described and showed photographs of several of the pieces of equipment which his firm uses. Some machines are standard models, while others have been converted from standard equipment. The company takes along most of its own attachments on jobs to distant places and rents standard equipment from Ford dealers. Each foreman has a one-ton truck with a platform on it. Trucks are hired for hauling topsoil, and Mr. Aitken has found that it is better to hire on the cubic yard basis than by the hour.

The attachments and converted equipment which Mr. Aitken described are primarily based on Ford tractors. On his tractors he removes the original rear tires, puts on oversize, 11-inch tires and weights them with calcium and water, the calcium being necessary so that the water will not freeze in the winter. In place of the regular 4-inch front tires, he puts on 6-inch tires. The farm implement tire with the groove on it has proved best. A step-down transmission is desirable, but if one can have both a step-up and step-down transmission, so that the tractor can go very slowly on grading jobs, so much the better.

Tractors are rigged up with a standard utility blade on the back, operated either by cable or hydraulic lift, and no blade on the front. A blade is made for the center, as such blades cannot be bought. Mr. Aitken took the levers off a Massey Harris plow and the brackets from a Sky-line loader to make this attachment. It has half-inch adjustments. The cutting edge of the blade is serrated and set at an angle, so that the pressure is 200 per cent greater than with a flat blade. This eliminates the necessity of further disking or cultivation when making seedbeds. The blade is reversible so that one side is straight and the other notched. The converted blade is based on a standard ice blade which he purchased in Canada.

For field cultivation, Mr. Aitken



Catherine Huber.

advocates a field cultivator with long tines for loosening the soil. A spring-tooth cultivator is not stiff enough. A pickup disk, for breaking up lumps after the field cultivator has been used, is used on most jobs before putting on the fertilizer.

A standard model weeder, with extra tines three inches apart, makes an excellent mechanical rake. It rakes in the fertilizer, so that the ground is then ready to be seeded. Seeds planted in this way come up in rows, or drills, but fill in quickly.

A piece of number nine wire, chain link fence of 12-inch mesh, cut in a 4x5 foot mat with a two-by-four and a rope on one end, makes an excellent drag for putting on a top-dressing or spreading the soil. A steel door mat may also be used for this purpose.

For making driveways of crushed stone, Mr. Aitken made his own

roller by putting special pieces of steel on the wheels of a Fordson tractor, as he found it difficult to rent rollers to be used for this purpose.

#### Louisiana Gardens.

The history and description of some Louisiana gardens were told by Ralph Ellis Gunn, landscape architect from Houston, Tex., who formerly did much work in Louisiana.

In the eighteenth and nineteenth centuries, when most Louisiana gardens were developed, European landscaping principles of the post-Renaissance type of design were imported, but the soil, plants and climate and less traditional society to be found here resulted in a different type of design. The wealthy wanted their grounds comparable to those they had in Europe and imported landscape gardeners, but they found flat land separated by bayous on big plantations, with the house set on a rise. All the land was cleared for growing agricultural crops except that immediately around the house. Because of the continual flow of guests, an attractive tree-lined approach was made to the house and

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#### LANDSCAPE TOURS.

Sunday afternoon, July 15, early arrivals at New Orleans occupied five busses on a 3-hour tour of the city boulevard and parks, stopping to see the grounds of a well designed and well planted small home and the large Stern estate, one of the finest in the city.

At the final stop at City park for refreshments, Miss Catherine Huber introduced Ellis P. La Borde, general manager of parks, and Elmer Farley, park commissioner, who spoke briefly. Arrangements for the tour were made by local landscape nurserymen, and the tour was sponsored by the New Orleans Horticultural Society and the Texas Landscape Association. Refreshments were served under the McDonogh oak, having a spread of branches of 125 feet and a girth of twenty-six feet at four feet from the ground. John McDonogh left half his fortune to New Orleans for the erection of public school buildings and the purchase of land for park purposes.

Several patio gardens were opened especially for the landscape nurserymen to visit Wednesday, July 18, and Thursday, July 19. With the help of Mrs. George Anding and Miss Huber, several planned post-convention tours of the old plantation homes and gardens near New Orleans.



# Allied Groups Meet at New Orleans

## MAIL-ORDER BREAKFAST.

Twenty-two members of the National Mail Order Nurserymen's Association held a breakfast meeting July 18 at the Roosevelt hotel, New Orleans. President Kimball Andrews, Andrews Nursery Co., Fairbault, Minn., presided.

Most of the meeting was devoted to drafting a letter for members to send immediately to their customers to ask them to protest at once to their congressmen the proposed bill which would reduce size and weight limits on parcel post. Passage of such a measure would seriously affect mail-order business, and the nurserymen need all possible support to help defeat the bill.

The program for the annual convention in August at Chicago was announced and is published on another page. J. A. Armstrong suggested that a recording be made for members unable to attend.

## PROTECTIVE ELECTS.

At a breakfast meeting July 18 at the Roosevelt hotel, New Orleans, the American Nurserymen's Protective Association advanced Edward L. Baker, Baker Bros., Fort Worth, Tex., from vice-president to president. He presided at the meeting in the absence of President Howard Maloney, Maloney Bros. Nursery Co., Dansville, N. Y., and Miss Gertrude Burns, of Albert F. Meehan Co., Dresher, Pa., served as secretary-treasurer in the absence of A. F. Meehan.

James Doty, of Doty & Doerner, Inc., Portland, Ore., was elected vice-president. New directors are William Flemer III, Princeton Nurseries, Princeton, N. J.; Henry Homer Chase, Chase Nursery Co., Chase, Ala.; A. W. Krieger, Krieger's Wholesale Nursery, Bridgman, Mich., and George Welch, Mount Arbor Nurseries, Shenandoah, Ia. Holdover directors are Paul Stark, Stark Bros. Nurseries & Orchards Co., Louisiana, Mo.; J. Frank Sneed, Sneed Nursery Co., Oklahoma City, Okla., and C. B. Miller, Milton Nursery Co., Milton, Ore.

## BABY RAMBLERS.

At the annual meeting of the Baby Ramblers, July 17, Richard Manahan, Pontiac Nursery Co., Romeo, Mich., was elected president; James Doty, Doty & Doerner, Inc., Portland, Ore., vice-president, and

Charles Greening, Greening Nursery Co., Monroe, Mich., secretary and treasurer.

As reported elsewhere, the Baby Rambler award for outstanding service to the industry was given this year to W. B. Clarke, San Jose, Calif., for his numerous fine plant introductions and originations.

On Tuesday evening the Baby Ramblers had their annual stag party.

## ASSOCIATION SECRETARIES.

At the fifth annual conference of Nursery Association Secretaries, held July 17 at the Roosevelt hotel, New Orleans, with President John D. Siebenthaler in the chair, it was decided to issue in a loose-leaf volume the chapters now prepared of a manual of instruction for association secretaries. The book will be sent to paid-up members of the association, and as additional chapters are completed, they will be added to the book.

A. A. N. Secretary White described some of the work which already had been done in the preparation of the manual. Discussion of chapters on the conduct of meetings was led by Elmer Merz, Sacramento, Calif. Other chapters were outlined and discussed by Clyde Heard, Des Moines, Ia.; Edward Ambo, St. Louis, Mo.; James Doty, Portland, Ore.; James A. Stubbs, Atlanta, Ga., and George P. Dupuy, New Orleans.

Seventeen state and regional associations were represented by the persons attending. Others felt the stronger attraction of two important meetings, one of growers' panels and the other of the National Landscape Nurserymen's Association, held at the same time.

Officers elected for the ensuing years are president, Bernard Ward, East Lansing, Mich.; vice-president, Paul S. Hofmann, Towson, Md., and secretary, Clyde Heard, Des Moines, Ia.

## CAMELLIA SELECTIONS.

At a meeting of fifteen prominent California and southeastern camellia introducers and growers, at New Orleans, July 17, was organized All-America Camellia Selections, for the purpose of evaluating new varieties offered for introduction.

Officers are president, Herbert Swim, Armstrong Nurseries, Ontario, Calif.; vice-president, C. Elwood Stephens, Semmes Nurseries,

Semmes, Ala., and secretary-treasurer, David Cook, California Camellia Gardens, North Hollywood, Calif. Two directors elected are C. Norwood Hastie, Jr., Magnolia Gardens, Charleston, S. C., and Martin Usrey, Monrovia Nursery Co., Monrovia, Calif.

Test gardens will be established at public institutions, at present three on the Pacific coast and four in the south. Tests will be for three years, and three noncommercial judges will pass on the trials at each garden. Entries will be open to any introducer.

In some recent years, as many as thirty to fifty new varieties of camellias have been introduced annually, too many for individual growers to test themselves. Hence the proposal to do for camellia growers and the public what All-America Rose Selections has done for those interested in roses.

## A. A. R. S. ELECTION.

A nation-wide program to "Beautify America with Roses" has been started by All-America Rose Selections, Inc. Ninety public gardens throughout the country have been selected for first plantings of All-America rose variety winners, and the program will be enlarged each year. Plants will be furnished by leading rose growers. A committee of A. A. R. S. members selects the gardens to receive plants on the basis of merit and facilities for attractive display.

At the annual meeting of All-America Rose Selections, Inc., July 15, at the Roosevelt hotel, New Orleans, Albert B. Morris, of Western Rose Co., Van Nuys, Calif., was elected president and Robert Pyle, of Conard-Pyle Co., West Grove, Pa., vice-president. W. Ray Hastings, Harrisburg, Pa., continues as executive secretary.

Directors include the officers; the immediate past president, Eugene S. Boerner, of Jackson & Perkins Co., Newark, N. Y.; L. A. Dean, Arp Nursery Co., Tyler, Tex.; J. Awdry Armstrong, Armstrong Nurseries, Ontario, Calif.; Charles S. Burr, C. R. Burr & Co., Manchester, Conn.; Charles H. Perkins, Jackson & Perkins Co., Newark, N. Y., and George L. Welch, Mount Arbor Nurseries, Shenandoah, Ia.

Committees appointed for the ensuing year are:

Test gardens: Robert Pyle, chair-

man; William S. Clark, Germain's, Inc., Van Nuys, Calif., and John I. Sjulín, Inter-State Nurseries, Hamburg, Ia.

Scoring schedule: E. S. Boerner, chairman; Herbert C. Swin, Armstrong Nurseries, Ontario, Calif.; Everett A. Piester, assistant superintendent of parks, Hartford, Conn.; Fred Edmunds, retired curator of International Rose Test Gardens, Portland, Ore., and E. C. Volz, professor of ornamental horticulture, Iowa State College, Ames.

Public rose gardens: E. (Mike) Dering, Peterson & Dering, Scappoose, Ore., general chairman; David Stump, Armstrong Nurseries, Ontario, Calif., chairman, Pacific section; Clark Kidd, Arp Nursery Co., Tyler, Tex., chairman, southern section; Carl Lumry, Mount Arbor Nurseries, Shenandoah, Ia., chairman, central states section, and Sidney Hutton, Jr., Conard-Pyle Co., West Grove, Pa., chairman, eastern states section.

Public relations: Charles H. Perkins, chairman; Robert Pyle, J. Awdry Armstrong and Charles S. Burr. L. Richard Guylay & Associates are retained as public relations directors of A. A. R. S.

Memorial and awards: J. A. Armstrong, chairman; Keith Monaghan, Howard Rose Co., Hemet, Calif., and Mrs. Dorothea Bobbink, Bobbink & Atkins, East Rutherford, N. J.

New trustee is O. L. Weeks, Weeks Wholesale Rose Grower, Santa Ana, Calif.

OWNER of three acres at Asbury, N. J., Claude Dimmick is starting in the nursery business as part owner of Asbury Nursery.

FIVE acres of land at New City, N. Y., is being used for growing nursery stock by Harry F. Byrne and John L. Gibbons, whose city address is 123 William street, New York 7, N. Y.

OWNERS of Bowers Nursery, 200 Furrow street, Baltimore 23, Md., have requested that their mail be sent to 1920 Featherbed lane, Woodlawn 7, Md., where they are starting a new nursery on sixteen acres.

INVESTIGATIONS are being made of the fire on the Holsinger Nursery grounds, 2340 Meriam drive, Wyandotte county, Missouri, which destroyed the home of H. L. Bledsoe, a nursery employee, while he and his family were vacationing. The fire was discovered too late to save the building and losses were estimated at \$3,000.

## A. A. N.'s Social Side

While New Orleans' famed French Quarter offered excellent cuisine, interesting sight-seeing and other entertainment, convention headquarters at the Roosevelt hotel remained the center of social activities.

### "Rebel" Room.

Opening Sunday evening, the "Rebel" room, as this year's social room was called, drew large numbers on each of the three nights it was open, despite the counterattractions of the French Quarter of New Orleans. It occupied the spacious ballroom of the Roosevelt hotel, which seated 754 persons at the banquet. Lavish decorations included festoons and clusters of magnolia leaves, vines of philodendrons trailing down the glass pillars from clusters of gladioli and sheaves of gladioli hanging from the ceiling ventilators. Perhaps the coolness was a magnetic factor when the outdoor temperature was 93 to 96. Music and dancing were provided each evening.

Monday evening, the Louisiana and Alabama chapters contributed an enjoyable floor show of professional talent, followed by a color film of Bellingrath Gardens, the Mobile show place of azaleas and camellias.

### Banquet.

Wednesday evening the annual banquet concluded the social festivities. At the head tables were seated the past presidents and their wives if present. Introduced by President Wayne Ferris, they included James IE. Ilgenfritz, Howard Taylor, I. A. Armstrong, J. Frank Sneed, Richard H. Jones, Frank S. LaBar, Edwin I. Stark, Owen G. Wood, Edward L. Baker, Paul C. Stark, M. R. Cashman, Lloyd C. Stark and Henry B. Chase. The last-named, senior of the presidents attending, received a standing ovation and spoke briefly of his pleasure at being present, active as ever at 81.

Also introduced were President-elect John B. Wight and J. A. Aitken, president of the Canadian Nurserymen's Association.

Rene Casadaban, general chairman of convention arrangements, was called to the platform and introduced the chairmen of committees and other conspicuous assistants.

Lloyd C. Stark presented a handsome gold watch to William I. Smart as a token of appreciation from the 127 passengers on the special train from Chicago to New Orleans.

After these brief ceremonies, the floor was cleared for dancing, while

the tables at the sides were well filled with the conversationally inclined guests.

### Ladies' Reception.

From 4 to 6 p. m. Sunday, July 15, a tea and reception was held for ladies at the convention. In the receiving line were the officers of the A. A. N. ladies' auxiliary, Mrs. L. A. Dean, Tyler, Tex., president; Mrs. E. L. Baker, Fort Worth, Tex., secretary, and Mrs. Clark Kidd, Tyler, Tex., treasurer, and the wives of the A. A. N. officers, Mrs. Wayne Ferris, Hampton, Ia.; Mrs. John Wight, Cairo, Ga., and Mrs. R. P. White, Washington, D. C. Mammy doll heads made of pecans and each four with a different-colored fabric were given as favors. Those with like bandanas were asked to make a date during the convention for a card game or other entertainment.

### For Teen-agers.

While their mothers were at the ladies' reception, some fifty youngsters had a get-acquainted party in a nearby room, enjoying games, dancing to a Dixieland jazz band and having refreshments, including souvenir New Orleans pralines.

Monday morning the youngsters took a sight-seeing tour of the city by bus. And Tuesday afternoon they enjoyed swimming in the cool waters of Lake Pontchartrain.

### Ladies' Luncheon.

The A. A. N. ladies' auxiliary luncheon-meeting brought 225 ladies to LaLouisiane restaurant in the French Quarter, oldest Creole French restaurant in the world, Tuesday, July 17. Officers elected for the ensuing year are president, Mrs. Walter Coon, Farmington Gardens Nursery, Farmington, Mich.; vice-president, Mrs. James IE. Ilgenfritz, Ilgenfritz Nurseries, Monroe, Mich., and secretary, Mrs. William Conway, Pontiac Nursery Co., Romeo, Mich.

Guest speaker was the popular southern author Hartnett Kane, secured as a book reviewer by Mrs. J. B. Baker, Jr. He was introduced by Mrs. George Anding, of the Anding Book Shop, New Orleans, and wife of a local florist. He reviewed three of his most recent books, "The Scandalous Mrs. Blackford," soon to be made into a movie; "Plantation Parade," and "Queen of New Orleans." In speaking of the

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# "Plant America" Progress

By Howard P. Quadland

Last year I stood before the A. A. N. convention a comparative stranger to many nurserymen. I remember one of the things urged was more cooperation from individual nurserymen in market development and publicity. This year the picture is entirely different. I know a large number of nurserymen personally. I don't have to ask for cooperation, because it has grown tremendously this year.

There is a reason for this, I think. The reason is that we are both working to further "Plant America." We have something to share in common, and the results seem to be evident to most nurserymen. You have seen the publicity exhibit; you have seen publicity in the newspapers and magazines. You have, if you have listened, heard it on the radio. You have received material in the mail, while many state and local nurseryman groups have experienced what "Plant America" can do in active campaigns. Extremely important, I think, is the fact that you have become leaders in the planting of America, rather than just sellers of plants.

I have wished many times that every nurseryman could visit our offices for a few days to observe the volume of mail and work. Letters from individuals, garden clubs, industrial firms, extension services, magazines, chambers of commerce, etc., are requesting "Plant America" material for active campaigns. We keep up this stream of correspondence in addition to national and regional releases on planting, merchandising bulletins, pamphlets, "Dividends" and other material mailed to you. We seize upon outstanding achievements of "Plant America" in the states and distribute information on them to extension services, garden clubs, chambers of commerce, outdoor writers, farm radio directors, etc.

And from all indications, "Plant America" is progressing rapidly. Sometimes we are not thoroughly informed on what actually is going on. For instance, in one day from the state of Kansas alone we had hurry-up calls for "Plant America" material from the president of the state

garden clubs, the Kansas Power & Light Co. and the editor of Capper's Farmer. The last-named said it would be "mutually advantageous." I don't know yet what is going on in that state, though the power company said it wanted the material for its campaign to beautify the smaller communities. But I do know that "Plant America," from the U. S. D. A. down, has brought increased prestige and recognition to individual nurserymen and the industry, while it likewise has increased planting business.

Every time you sell plants you are helping to "Plant America" and doing something worth while for this



Howard P. Quadland.

United States of ours—you are beautifying farms, homes, roadsides, public buildings, industrial sites and other places. And what is more to the point, the American people are beginning to recognize you for this. Some of you have seen the Stow, Mass., report; practically the whole town, under the direction of the extension service and nurserymen—the garden club, churches, schools, American Legion Auxiliary, Grange and other groups—turned out to landscape and plant every public building in the town, as well as homes. It was an inspiring achievement that was broadcast by newspapers and radio all over the state and, in fact, New England.

In North Dakota plans are being drawn up to have each city renowned for some specialty plant. Each will name one tree, shrub, flower or other plant and proceed to

plant the town. In Oklahoma, Virginia, Minnesota, South Dakota, Indiana, Kentucky, Washington, Oregon, Alabama, Arkansas, Florida, Ohio, Missouri, Iowa, Michigan, especially at Grand Rapids; Pennsylvania, Utah, New Mexico, South Carolina, South Dakota and New York, there has been "Plant America" activity. In the other states there probably has been activity of which we are not fully informed. East Texas, for instance, is setting up a program. In Canada, government requested it. Not all of the activity has been thoroughly organized yet, but it is progressing steadily. In many ways we have to feel our way and adopt those practices which turn out most successfully.

Not only nurserymen are cooperating in "Plant America." The U. S. D. A. state extension services, soil conservation service, garden clubs, Outdoor Writers of America, National Association of Farm Radio Directors and other groups are helping by spreading "Plant America" information. The United States is a big country, however, and movements such as "Plant America" do not mature overnight.

We are not concentrating wholly on "Plant America" either, but keep other promotions going, such as climate control, on which we had United Press, Associated Press and King Features stories blanketing the country, as well as nation-wide and local radio broadcasts. There also is the Libbey-Owens-Ford picture window promotion, which was worked out over a period of months and resulted in a planting program for picture windows, on which the glass company spent four times or more the total of our whole A. A. N. publicity budget. This advertising campaign directly channels this business to A. A. N. members.

You have received a copy of the booklet "How to Put a Picture in Your Picture Window" and probably have seen the full-page ads in American Home, House and Garden and House Beautiful, as well as the publicity behind it; so I don't need to go into this further. But there are estimated to be nearly two million picture windows in the United States and they form a big market for nursery stock.

I'd like to talk about "Plant America" itself. I am somewhat of an

Address by Howard P. Quadland, publicity director of the American Association of Nurserymen, at the convention at New Orleans, July 16.



idealist on "Plant America." However, the movement is a practical one. I honestly believe "Plant America" can be and is going to be, if you continue to support it, one of the most beneficial movements that ever struck America.

Where the land is cared for and beautifully planted, you find healthy, happy, prosperous people. Where it is worn-out and unplanted you find inertia, misery and poverty. Think of that for just a moment. Isn't it true—in our country, as well as in every other country on the face of the globe?

If this premise is correct, then "Plant America," when its objectives are realized, will give the American people new courage, more appreciation of their own country, their own land, more satisfaction in living and a better living. It is the man who has his own land planted and beautiful and growing with the good and beautiful things the earth produces who is the backbone of the United States, whether he is a worker or industrialist, urbanite or farmer. "Plant America" is a common denominator, against which there is no argument, for its objectives are good in every sense of the word. The movement is translated into action by replanting our homes, farms, cities and towns, roadsides, churches, schools and other public buildings, our factories and our forests, wherever the need lies. No man can say that is not a common denominator on which all men can agree. The need is there. The benefits to you are beyond our capacity to visualize now, but they will be tremendous and they will be good. The A. A. N. is at the root and is the core of this movement, and its results to you will be that your business will grow and prosper in direct proportion to the progress of "Plant America."

You may not see the results from day to day, but the nursery industry's volume will continue to grow and expand. The American people are ready for "Plant America," for naturalism, for the peace and comfort and relaxation that come from well planted home grounds and gardens.

There are some important trends going on in our country that both affect your business and serve to indicate why "Plant America" will continue to be successful, why it already has taken hold so well, even with our limited resources. You should know about these trends, possibly apply them in your individual businesses.

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## Convention Notes

Three gavels were added to the A. A. N. collection this year. Secretary White had secured material for one in a piece of white pine removed from the White House in its alteration in the past year. Another was made from a walnut tree in New York city, assurted to be 350 years old, and called the Hastings Treaty Tree, because the Indians and Dutch signed a treaty under its branches. At the opening luncheon W. Price Magee, for the Louisiana nurserymen, presented a gavel made of tung wood, the tung tree being cultivated for its oil in that area.

Two other gavels were presented at a later session. Howard Davidson, Albuquerque, N. M., president of the New Mexico Association of Nurserymen, presented a small gavel used in the organization of that body a few months ago. Mario Sanseverino, Tulsa, Okla., presented, in the behalf of the Oklahoma State Nurserymen's Association, a gavel made of redbud, now the state tree of Oklahoma. The gavel was made from a branch cut from a redbud tree on the campus of Oklahoma A. and M. College at Stillwater, said to have been growing there forty years ago, when the first cornerstone was laid for the college buildings.

During the convention a contest was held among the New Orleans business firms for the best display window decorated on a garden theme. An anthurium plant was awarded the Public Service Co. as first prize. Judges were Camella Bradley, editor of Home Gardening, and Dr. Joseph Howland, garden editor of House Beautiful.

Dr. Walter E. Lammerts, rose hybridist, La Canada, Calif., spoke July 18 at the St. Charles hotel at a meeting of members of all garden organizations of New Orleans. His subject was "Roses of the Future." Dr. Herbert Swim, Armstrong Nurseries, Ontario, Calif., originally scheduled to speak, was unable to attend.

Joyce Smith, garden commentator for radio station WSDU, recorded 10-minute interviews with Louis Hillenmeyer, Jr., president of the National Landscape Nurserymen's Association, and Miss Joan Kilner, assistant editor of the American Nurseryman, for her garden program.

Copies of the Times-Picayune newspaper were delivered each morning to conventioners through the courtesy of Co-operative Rose Growers, Tyler, Tex.

Blooms shipped from Elmer Roses, San Gabriel, Calif., gave convention visitors an opportunity to inspect the deep red floribunda rose, Carrousel.

Riding on the special train and enjoying the New Orleans convention were two visitors from Holland, John Hoogendorn, who accompanied his brother, C. Hoogendorn, Newport, R. I., and Jan Van Der Pol, who accompanied his brother, Marinus Van Der Pol, Fairhaven, Mass. They arrived July 3 to spend two months in this country.

On their way home from the convention Mr. and Mrs. Louis Vanderbrook, Manchester, Conn., stopped at Chicago to visit their son Bruce, 22, who has the record of the highest man in his class in the electronic school at the Great Lakes Naval Station.

A party of eight enjoyed on 8-day sea voyage on the freighter Chickasaw from Baltimore to New Orleans. Two days were spent at Miami and one at Tampa. In the party were Frank S. LaBar, Mr. and Mrs. Russell Harmon, Mr. and Mrs. Jesse Flory and Miss Hilda Possinger, all of LaBars' Rhododendron Nursery, Stroudsburg, Pa., and Mr. and Mrs. C. W. M. Hess, of Hess' Nurseries, Mountain View, N. J.

Guest cards and a special letter of invitation were mailed to A. A. N. members by J. Lloyd Abbott, Abbott's Sunny Knoll Nursery, Mobile, Ala., to visit Abbott camellia display gardens, just opened this year at Mobile, as well as the nursery.

The six A. A. N. members, at Semmes, Ala., mailed in June to A. A. N. members a 4-page invitation to visit their nurseries at Semmes, the azalea and camellia center of the nation, en route to the New Orleans convention. Printed in red and black, the first page of the 5¼x7¼-inch folder showed Alabama Highway 42 and the six firms, which are Blackwell Nurseries, Tom Dodd Nurseries, Grime Nurseries, Howell Nurseries, Stephens Nurseries and Semmes Nurseries. The second and third pages bore the invitation and a map showing all highways leading to Semmes, and the fourth page was devoted to a keyed map of the Vieux Carre of New Orleans.

The floods in Kansas prevented several from that state from attending the convention. Thomas Pinney reported that at his brother John's

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# Camellias Featured Mississippi Topic

Despite uncomfortably warm weather, nurserymen and florists from all parts of Mississippi and neighboring states flocked to the Edgewater Gulf hotel, Edgewater Park, July 24 to 26, so that attendance at the ninth annual convention of the Mississippi State Florists' and Nurserymen's Association reached a total of 250. Conventioners dipped heartily into the shrimp, trout and barbecued spareribs prepared for the buffet supper which followed registration Sunday, June 24.

Monday night, at the president's banquet and ball, the results of the election of officers were announced. The new officers are J. D. Withers, of Withers & Withers, Florists, Woodville, president; R. A. Severs, of Severs Flowers, Greenville, florists' vice-president; Aubrey Blackwell, Bolen Camellia Gardens, Lucedale, nurserymen's vice-president, and Prof. E. W. McElwee, of the department of horticulture at Mississippi State College, secretary-treasurer. The executive committee for the coming year will include Harold Whitley, Jackson; Mrs. Mary Bell, Greenwood; LeRoy Corman, Tyler-town, and Richard Smith, Grenada.

After the president's breakfast and the designers' breakfast on Monday morning, the first business session began with an invocation by Rev. J. N. Brown, pastor of the First Presbyterian church, Gulfport. The association was welcomed to the hotel by A. P. Shoemaker, hotel manager. After expressing his gratitude to Mr. Shoemaker and to the committee whose work made the conven-

tion possible, President John P. Harkins discussed the progress made during the past year in interesting the public in flowers and ornamental plants. He suggested that the association approach the state legislature concerning help in solving some of the problems of plant production and plant diseases. Vernon U. Hunt, of Hunt Nursery, Baton Rouge, La., then suggested that Mississippi florists consider holding a joint convention with Louisiana florists, perhaps in 1953. Mr. Hunt is president of the Louisiana State Horticultural Association.

F. S. Batson, secretary-treasurer of the Mississippi association since its founding almost twelve years ago, read the minutes of the 1950 convention and the treasurer's report. Having resigned June 1 from the staff of Mississippi State College, Mr. Batson plans to begin extensive lumbering operations at Wiggins, Miss., and later to grow ornamental plants for commercial use. He said that he wants to continue to work with the association in every way possible, although he is no longer on the college staff.

Ben Hilbun, of Mississippi State College, originally scheduled to speak at the first session, was unable to attend because of illness, and so Dr. John Bettersworth, of Mississippi State College, covered the topic "What Mississippi State College Can Do for You." He gave as examples several amusing mistakes he has made in growing ornamentals, which could have been avoided had he consulted an expert at the college or the experiment station. He discussed briefly the history of Mississippi horticulture and listed services offered nurserymen and florists in the state. Among them are short courses on a variety of subjects, research on soil and water testing and on ornamental plants, and advice on pest control and fertilization. All are available to those who ask for them.

Dr. Bettersworth also pointed out that, in view of growing conditions, which are ideally suited to flowers, and the variety of outdoor plants throughout the south, southerners do not grow so many flowers as they could. F. S. Batson emphasized that point also. About ninety per cent of the cut flowers sold commercially in Mississippi are shipped in from other states, and probably fifty per cent of the nursery stock is shipped in. There is already a market for

many more plants than are now being grown in the state. Of future short courses for florists at the college, he said that officials would willingly arrange for discussion of whatever topics were requested.

At a meeting of the growers' school in the afternoon, R. A. Klages, of the school of business administration at the college, spoke on "Merchandising Your Product," directing the text of his talk to florists. The second speaker was Walter E. Davis, who will carry on much of the experimental work with ornamental plants at Mississippi State College since the retirement of F. S. Batson. A part of Mr. Davis' talk on "The Propagation of Woody Plants from Seeds" was the presentation of a list of trees and shrubs, for which he gave specific seed treatments necessary to increase germination. Among the reasons he listed for the difficult germination are hardened seed coats or endosperm, an immature embryo and impervious cell membranes.

Studies under way at Mississippi State College and information collected from gardens and nurseries in southern Mississippi and Alabama were reported in a talk entitled "Winter Hardiness of Camellias" by F. S. Batson. Until recently little information has been available to guide in the selection and adaptability of camellia varieties, and camellias have often been chosen entirely for the appearance of the bloom. Mr. Batson used as the basis for his talk a chart showing many of the vegetative and flowering



Aubrey Blackwell.



E. W. McElwee.



Speakers' tables at president's banquet: W. B. Paterson, Marti Peed, J. D. Arrington, Mrs. J. P. Harkins, J. P. Harkins, Bill Adams, Jr.; Mrs. Bill Adams, Mrs. Frank Langley, Frank Langley, J. D. Withers, Dr. E. W. McElwee and F. S. Batson.

characteristics of eighty-seven varieties of camellias. Since the information was compiled from the studies made in southern states and since camellias vary both in growth and in flowering habits under different conditions, many of the statistics would not apply to other localities. Among the general statements made, however, was the fact that some camellia varieties with foliage which is cold-resistant have buds which are easily injured, and vice versa. Varieties with a large number of petals are usually most susceptible to cold injury, while the most resistant types are single, semidouble and peony forms. Apparently the color of the bloom does not indicate the degree of cold resistance.

As a second topic Mr. Batson covered recent research on camellia grafting, proving that growers might economically graft camellias on bare-rooted understock in a warm greenhouse. In that way many more plants can be grown than if the understock were potted. He reported on experiments he had performed to show the advantages and disadvantages of grafting on bare-root understock; the comparison of growing conditions in greenhouse bench, cellar or Wardian case, and a comparison of side and cleft grafts.

In all of the experiments he used understock of about 3/16-inch caliper. Peat was used as the rooting medium for the bare-root stocks, and daylight fluorescent lights were used over plants grown in the cellar. Humidifiers were used for all situations to keep the temperature of the rooting medium and of the air at 80 degrees Fahrenheit. He found that, though potted understock grafts produced a little more top growth, the bare-root plants showed a slightly higher percentage of take. Plants grown in open greenhouse benches were superior to those grown in the Wardian cases or in the cellar, and cleft grafts proved about as good as side grafts.

In a talk on "The Effects of Day Length and Light Intensity on Camellia Bud Formation and Vegetative Growth," Prof. E. W. McElwee

suggested that light treatments may be of some value in insuring bud set on plants. If plants are given light treatments of high intensity, there is an increase in the number of buds. Plants under light of low intensity have slightly larger leaves, but fewer flower buds set. Day length treatments do not affect the bloom dates of camellias.

The second growers' school session was held Tuesday morning. At that meeting the talk by W. B. (Pop) Paterson, of Rosemont Gardens, Inc., Montgomery, Ala., on "Merchandising and Pricing Flowers," and the talk by Prof. E. W. McElwee and W. W. Broome, Jr., of Broome's Flowers, Natchez, on "Growing Chrysanthemums in Mississippi" were both directed to florists.

The final business session of the convention was also held Tuesday morning. In behalf of the association the retiring president, John Harkins, presented F. S. Batson, for his many years of service, an active life membership. A resolution was passed urging that a program of research on ornamental plant disease control, particularly of camellia root rot and camellia dieback, be established at Mississippi State College.

Standing committees were appointed for the coming year as follows: Advertising and sales, Jerre Griffith, chairman; Vincent Dauro, R. O. Maag, W. W. Broome, Jr., and Edward Meena; education and research, F. S. Batson, chairman; Houston Bass, and R. A. Severs; finance, William Cabaniss, chairman; Jerre Lane and P. W. Reeves, and membership, J. S. Bradford, chairman; Frank Sinclair, and Mrs. N. E. Love.

INTEREST in Brown Greenhouses & Nursery Co., Junction City, Kan., has been sold by Hiram H. Brown to his brother, Frank.

OPENING at Atlanta, Ga., of the new branch building of Allis-Chalmers, which will serve agriculture dealers in four southern states, was celebrated June 21.

## A. A. N.'s SOCIAL SIDE.

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recipes included in the last-named book, Mr. Kane bowed to Mrs. Caroline D. Weiss, wife of Leon Weiss, New Orleans landscape architect and proprietor of Kiskatom Nurseries, Madisonville, La., for she is the author of "Creole Recipes," a cookbook telling how herbs are used in preparing many Creole dishes.

At the auxiliary business meeting Madam President L. A. Dean, Tyler, Tex., presided. Guests at the speakers' table were Mrs. Wayne Ferris, wife of the A. A. N. president; Mrs. John Wight, wife of the vice-president, and Mrs. Richard P. White, wife of the executive secretary. Past presidents of the auxiliary and members of the ladies' committee for the convention were introduced.

Mrs. Clark Kidd, Tyler, Tex., treasurer, reported \$61.48 on hand. As this was a floating fund remaining from the days when dues were charged, instead of expenses being covered by the luncheon fee, it was voted to give the money to the polio fund.

## Farewell Luncheon.

Ending the convention, the luncheon on Thursday was enlivened with a serious and humorous talk by "Countess Maria Pulaski."

The retiring president, Wayne Ferris, was presented by John B. Wight, his successor, with a certificate of service and a handsome leather brief case, and then by the immediate past president, Howard C. Taylor, with a past president's lapel pin.

## TRADE EXHIBITS.

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name of each plant. In the display were included several species and varieties of ilex, marjorana, magnolia, berberis, juniperus, gardenia, buxus, podocarpus, camellia, pinus, xylosma, rhododendron and elaeagnus.

Through the courtesy of the United States Department of Agriculture station at Bogalusa, La., were shown photographs of the growing tung oil trees.

# Fifth Michigan Nursery Conference

By F. L. O'Rourke and Harold Davidson

Five states and one Canadian province were represented at the fifth annual conference in nursery and landscape management held July 12 and 13 at Michigan State College, East Lansing. There was a total registration of 224, which did not include the ladies and children present.

The conference opened Thursday morning with a welcoming address by Dr. Roy E. Marshall, assistant director of the agricultural experiment station. Dr. Marshall, who has been actively interested in nursery problems for many years, spoke briefly on research being done at Michigan State College, which may prove of value to the nursery industry. Dr. H. B. Tukey, head of the department of horticulture at the college, spoke on the services that the college has to offer nurserymen,

## Progress Reports.

Prof. W. A. Malone, of the department of landscape architecture, discussed "Landscape Design," which he classified as a public service profession. The prime objective of good design is to create a pleasant living environment with the money available. A good landscape architect influences the lives of others by the proper placement of utilitarian and ornamental items. Professor Malone spoke of the two fundamental principles of composition, selection and arrangement. Properly selected material must be properly arranged in order to be satisfactory for many years. Discussing modern trends in architecture, he suggested that picture windows help to lure people out of doors and therefore furnish landscape nurserymen with opportunities to build more beautiful, and possibly more extensive, gardens.

Among the short progress reports which followed was the talk by Prof. R. F. Carlson, of the department of horticulture, who told of his work in propagating and testing Malling dwarf rootstocks. He showed colored slides of several apple varieties grafted on Malling IV, VII and IX. These three are the most dwarfing of Malling rootstocks and are useful in the small garden.

Dr. Sylvan H. Wittwer, of the department of horticulture, gave an excellent discussion of fertilization by means of spraying foliage. He has used radioactive isotopes to follow the

progress of absorbed phosphorus and potassium sprayed upon the leaves. Apparently these nutrient elements are more rapidly transported and more quickly used in growth and fruiting when applied on the leaves. The efficiency is also higher in many cases, for a greater percentage of the elements are taken in through the leaf than would be if they were applied to the soil. It is necessary to use a wetting agent with foliage fertilizers in order to form a uniform film on the leaf, and young, immature leaves absorb much more rapidly than older and mature ones. Leaf feeding must be repeated at frequent intervals if all fertilizing is done in this manner, however.

Milton Baron, professor of landscape architecture, told briefly of the plans for creating arboretums both on the East Lansing campus and at Hidden Lake Gardens, the college substation at Tipton, Mich. New and rare plants are being obtained as rapidly as possible and are planted under various site conditions so that growth responses may be observed and measured.

## Form Landscape Conference.

The afternoon session was devoted mainly to the formation of a state-

wide Michigan Landscape Conference, which will be open to any and all individuals engaged in any way with the growing, planting or maintenance of woody ornamental plants. Sponsors of the new association are a small group of Michigan landscape nurserymen who often have met informally to discuss common problems. During such a session March 27 at East Lansing, the need became apparent for an association to raise standards, maintain ethics and aid and educate the beginner in landscape work. A later meeting brought out the desirability of taking action at an early date. The early enthusiasts, who became sponsors of the organization, are John B. Light, of Light Tree Co., Richland; Harold E. Hunziker, of M. J. Hunziker & Sons, Niles; Ernest Durrant, of Durrant Nursery, Grand Rapids; Edwin E. Smith and M. L. Thomas, both of Lansing; George A. Young, of Royal Oak, and Joseph J. Poleo, of Detroit, Mich. Short talks were given by each of the sponsors at the conference. A unanimous vote of the conference registrants endorsed the formation of the new group, which, as described by Mr. Light, would include all types of nursery, land-

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Four of the speakers at Michigan conference in nursery and landscape management. Left to right: Prof. Walter Morofsky, department of entomology, Michigan State College; C. A. Boyer, chief of the state's bureau of plant industry; Prof. Forrest Strong, of the college's department of botany and plant pathology, and Harold E. Hunziker, M. J. Hunziker & Sons, Niles, Mich., retiring secretary of the National Landscape Nurserymen's Association.



# Missouri Nurserymen's Short Course

By Marlin N. Rogers

Between fifty and sixty Missouri nurserymen gathered at Columbia June 26 and 27 for the second short course sponsored by the University of Missouri college of agriculture and the Missouri State Nurserymen's Association. Reports of legislative activities concerning coverage for nurserymen under the Missouri lien laws were highlighted in the business sessions. It was announced that the association is helping to sponsor the publication of a new book on Missouri shade trees by August P. Beilmann by assisting in prepublication sales.

Dr. J. H. Longwell, dean of the college of agriculture, conveyed greetings from the college, and Dr. R. A. Schroder, from the department of horticulture. Then Ovid Bay, agricultural editor, spoke on "Services of the College of Agriculture." He classified the services as those rendered entirely free and those costing approximately one cent. The free ones include the continuous flow of press releases to newspapers, radio stations and magazines. Those costing one cent include the bulletins published by the college of agriculture and the assistance with special problems given by members of the staff, obtainable by use of a penny post card.

## Unscrupulous Practices.

The first guest speaker on the program was Robert E. Roselle, state entomologist, Jefferson City, who had been asked to discuss "Present and Future Regulatory Problems of the Nursery Industry." Since there had been so few changes in the past year, he chose to discuss another problem, that of the unscrupulous nurserymen who are advertising by mail and radio to sell undersized, wilted, frozen or otherwise poor-quality stock to the unsuspecting public at what appear to be bargain prices. He displayed the plants he had received from one such offer for the interest and amazement of his audience.

Mr. Roselle pointed out that the state board of quarantine could do nothing at present to prevent entry of such plants because they are free of insects and diseases which could prevent admittance. However, the problem is being attacked through such agencies as the Better Business Bureau. He said that such misrep-

resented sales were taking hundreds of thousands of dollars from the nursery industry of the state each year. The adoption of A. A. N. grading standards for ornamentals and the advertising of plants by definite grades were recommended as measures for combating the problem.

## Talks About Trees.

Theodore F. Mathieu, of the department of horticulture, Ohio State University, discussed "The Application of Growth Factors in Practical Arboriculture." His main point was that tree growth is regulated by many interdependent factors, such as environmental conditions, anatomy and internal physiological processes. Before any particular trouble can be diagnosed all of these factors must be carefully considered and evaluated. A symptom such as wilting might be traced to many different causes, among them heat, lack of soil water, disease or excessive soil compaction. Yellowing of leaves might result from insect or disease attacks, lack of soil nutrients, improper balance of oxygen and water in the soil or spray injury.

Pest control methods and materials have far-reaching effects on the physiology of a tree. Many spray materials reduce photosynthetic activity for some time after application to as little as ten per cent of its former rate. Others have phytotoxic aftereffects in which foliage injury occurs. Heavy pruning also exerts profound changes in physiology.

"Diseases of Shade Trees" was discussed by Dr. T. W. Bretz, forest pathologist for the United States Department of Agriculture, at Columbia, Mo. He suggested as a good reference on the subject, U. S. D. A. Farmers' Bulletin 1987, "Common Diseases of Important Shade Trees," available from the Superintendent of Documents, Washington 25, D. C., for 15 cents. He then confined his remarks to three diseases, phloem necrosis of elms, Dutch elm disease and oak wilt.

Phloem necrosis is a virus disease which affects only *Ulmus alata* and *U. americana* and its varieties. It is transmitted by either a leaf hopper or natural root grafting between adjacent trees. The chief control method is spraying with DDT for leaf hoppers. Two sprays should be given in the state of Missouri, one in late

June and the other in early August.

So far as is known, Dutch elm disease has not as yet reached Missouri, but, since the symptoms are similar to those of phloem necrosis, pathologists cannot be sure. Dutch elm disease will kill all native elm species and all imported species except Chinese elm and Siberian elm. It is a fungus disease transmitted by a bark beetle. Control consists of sanitation measures to remove winter hiding places for the beetles and a spray program with DDT, applied once in the dormant stage and once about late June. Therefore, three DDT sprays give fair protection against both phloem necrosis and Dutch elm disease. The Christine Buismann elm, a recent importation, seems resistant to both diseases and would be worth a trial.

Oak wilt is most lethal on red and black oaks, but it will also kill white oaks in time. It spreads by natural root grafting and may be controlled to some extent by immediate removal of diseased trees.

## Propagation.

Dr. L. C. Chadwick, of the department of horticulture, Ohio State University, made his first appearance on the program Tuesday afternoon, when he spoke on "Propagation for the Nursery." He said that the biggest problems encountered when propagating plants by seeds are the lack of good seed sources, the failure to understand the importance of all the parts of the seed and their effects on germination, the failure to overcome the factors responsible for delayed germination, and damping-off.

Seed source problems arise because it is frequently impossible to secure seeds early enough in the fall to insure first-year germination. If nurserymen would set aside some area not suited for the production of salable plants and use it for growing their own seeds, they could overcome much of the delayed germination now experienced.

The second and third problems in propagation by seeds are closely related. The seed coat is often bony or waxy for protection of the embryo and must be pierced in some way before the necessary exchange of water and oxygen can occur prior to germination. Many treatments, such as scarification or stratification at 70

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Top: *Juniperus Virginiana* seedlings to be transplanted next spring for understocks.

Second: Assorted 2-yr., T, lining-out stock.

Third: Assorted 4-yr., TT, lining-out stock.

Bottom: *Taxus Cuspidata*, TTT, 15 to 18 ins. and 18 to 24 ins.

Top: *Taxus Cuspidata* Stovekeni, TTT, 2 to 2½ and 2½ to 3 ft.

Second: *Taxus M. Halloriana*, TTT, 18 to 24 ins.

Third: *Thuja O. Pyramidalis*, 2 to 3 and 3 to 4 ft.

Bottom: *Taxus Cuspidata* Capitata, TTT, 18 to 24 ins.

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degrees Fahrenheit for two to three months, may be used. Occasionally the endosperm, or stored food supply, will dry out during storage and will not break down properly to start germination after planting. Basswood seeds, for example, germinate readily only if maintained in a moist condition from the time of collection to time of sowing.

With plants such as nandina, ginkgo, English ivy and holly, incomplete development of the embryo at the time the fruit is ripe causes delayed germination. If the seeds are kept in a moist medium at 70 degrees Fahrenheit for two to three months before sowing, they will germinate readily. Occasionally germination will be prevented by inhibitory action of enzymes within the embryo, which can be overcome by storing the seeds in a moist medium for two to three months at 40 degrees Fahrenheit. Frequently both factors are combined in the same seed, so that both treatments must be given if first-year germination is to be secured.

Damping-off has never been completely controlled by chemical means. Steam sterilization and careful seed-bed management help a great deal. Planting seeds in late fall or early in the spring, so that seedlings will germinate and grow through their most susceptible period before hot weather arrives, is also helpful.

During the past twenty-five years there has been little change in budding and grafting procedures. There are, however, some new methods of handling plants after grafting. Dr. Chadwick suggested that, if the humidity in the greenhouse is extremely high, plunging finished grafts in moist peat is not necessary. In a recent test comparing various understocks for junipers, the common red cedar was found to be by far the best, with Chinese juniper a close second. Spiny Greek and Irish junipers were only fair, and Andorra juniper and biota were poorest.

Many advances have been made in propagation by cuttings during the past ten to fifteen years, but the time of taking the cutting and the proper selection of the cutting wood are still the two most important factors for success. The primary effect of growth substances is an increase in the speed of rooting, which may or may not be advantageous with nursery stock. The best rooting medium to use is one that you can manage properly. Its only function is to supply support, moisture and oxygen, so that anything you can manipulate properly could be used. At

Ohio State University silica sand is used, mainly because it is sized and graded, and a uniform material can be secured each time it needs replacement. For miscellaneous cuttings, overhead watering is hard to surpass, and it requires little more labor than other methods.

The special requirements for propagating two plants have been discovered recently. *Hydrangea petiolaris*, the climbing hydrangea, roots poorly when propagation is attempted with 4-inch cuttings, but when only about 1/2-inch-long tip cuttings are used it roots almost 100 per cent. *Mahonia* roots almost perfectly if cuttings are made in mid-May. The basal cut should be made at the junction of 1 and 2-year-old wood, and the hard, woody, clasping stipule of the lowest leaf must be removed. The best season for taking evergreen cuttings is mid-December to mid-January. At this season there has been less cold damage, and the cutting has a maximum time to root before resuming top growth.

Following the afternoon program, a tour of the college's new agricultural laboratory building was conducted by Allan Purdy, of the department of horticulture. A barbe-

cue and dance were held at Wilkerson Nursery, Columbia, with Edward W. Ambo, of Ambo Bros. Nursery, St. Louis, acting as master of ceremonies.

#### Broadleaves for Missouri.

The next morning's program began with a talk by Dr. August P. Beilmann, of the Missouri Botanical Garden, Gray Summit, on "Some Broad-leaved Evergreens." In Missouri the choice of material is somewhat limited, since many plants that flourish either to the north or south do not grow well in the state. It is essential that all evergreens be watered during the annual fall drought periods, and frequently even during the winter months, if normal rainfall is lacking. Soil fertility must be kept high. The severity of winter injury the past year was directly proportional to the lack of fertility. Mulches of any sort of organic matter are also helpful in assuring success.

Mr. Beilmann discussed many species of plants, suggesting that individual nurserymen try them out to see how well they were adapted to local conditions. Three kinds of boxwood were suggested. St. Genevieve

[Continued on page 91.]

#### WANTED BY THE F.B.I.



WILLIAM FRANCIS SUTTON, FBI No. 241,884

Photographs appearing above are those of William Francis Sutton, whose apprehension is sought by the Federal Bureau of Investigation for the robbery of a New York city bank of approximately \$64,000, March 9, 1950. He is also wanted by the F.B.I. for an escape from a Philadelphia prison, February 10, 1947, and the subsequent flight from the state of Pennsylvania to the state of New York. He has at times taken employment as gardener or florist.

The following names have been used by Sutton: William Bowles, James Clayton, Richard Courtney, Leo Holland, Julian Loring and Edward Lynch. The last name listed was the most recent used.

Sutton is described as follows: Age, 50; born June 30, 1901; height, five feet eight inches; weight, 150 pounds; build, medium; hair, brown, parted on left side, streaked with gray; more apparent on sides, receding at forehead; eyes, blue, may use glasses for reading; complexion, fair, face noticeably lined; teeth, good; race, white; nationality, American; education, eighth grade, proficient at shorthand and typewriting, speaks Spanish fluently; occupation, clerk, driller, florist, gardener, stenographer, hospital porter; scars and marks, faint rugged vertical scar on fold of left wrist, end of right little finger scarred and deformed, small red flesh mole on forehead above left eyebrow, scar on back of neck, arms freckled; characteristics and habits, smokes cigarettes in moderation, continuous user of chewing gum, dresses neatly and conservatively, reportedly wearing or carrying gloves in all seasons, soft spoken and courteous in manner, may be wearing tinted or sun glasses to disguise appearance.

Sutton is believed to be armed, and is extremely dangerous. Any information as to Sutton should be immediately furnished to the nearest office of the F.B.I., the telephone number of which will be found on the first page of your local telephone directory.





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# Plant Notes Here and There

By C. W. Wood

There seem to be so many contradictory statements in literature about the culture and longevity of *Phlox adsurgens* that I thought a brief statement on experiences with the plant in our trials here in northern Michigan might help some who are confused on this subject. I readily admit that we had trouble with the plant when we first secured it years ago, because little was known about its needs except that it, favored lightly shaded situations in nature. As few western phloxes had proved to be easy to grow in the midwest, I was prepared for some trouble, but not so much as was encountered. It was not a great disappointment when most of that first lot grew slowly and some quickly died. They had been planted in different exposures and soils to determine what conditions they really needed, but nothing seemed to suit them exactly. It was only after we received a second shipment that matters commenced to improve.

To make a long story short it may be said that *P. adsurgens* can be permanent in this section if it is given a well drained, acid soil, preferably leafy, in about half shade. The degree of shade seems to be of less consequence, according to our experience, than the other factors mentioned. The plant will not withstand our long dry periods without attention, but, otherwise, it is easy to grow and permanent, and its great beauty will compensate for the little work needed to meet these demands.

Its beauty consists of a low mat of shining green leaves, which are said to be evergreen in mild climates, where they assume attractive red tints in winter. Here in northern Michigan *P. adsurgens* was deciduous, losing most of its foliage unless snow came early and stayed late. If the plant went into winter in a vigorous state, it was sure to come back in spring to produce a canopy of large flowers varying from white through many shades of pink to rosy-pink.

Fresh seeds, planted in autumn, germinate well the following spring, usually producing flowers in a wide range of shades from which one may make selections for vegetative reproduction. That is best done, according to our experience, by taking cuttings in late summer, which would be early September here, and

striking them in a shaded outdoor frame. These should be ready for lining out in early spring and should make salable plants by the next autumn. In sections where there is acid soil, plants can be grown without too much fussing; so this plant should make a good addition to the neighborhood grower's list.

## The Willow Gentian.

After reading in an amateur publication about the ease of culture and the beauty of the willow gentian, one nurseryman wonders if he should grow it for a rather advanced clientele. I shall try to do the plant justice and still keep the gardener in mind.

In the first place, I am afraid that those who take too literally the statement that the willow gentian is "one of those admirable plants which give much and ask little in return," which I have seen repeatedly in print, are going to be disappointed. It is readily granted that the willow gentian is not one of the really difficult gentians, but it does require more than the ordinary amount of care in the middle west.

The recommendation to give it some shade and a well drained soil rich in leaf mold, which is found in texts, is well enough as far as it goes, but it fails to warn us of the

plant's need for moisture. In our garden it was within reach of the hose, and the hose was used on it frequently during the summer. Otherwise the plant is not difficult after it becomes established. Like many gentians, the willow gentian is slow about starting to grow after being moved and it needs to have close attention during that critical period. What has been said should not be taken to mean that the plant is impossible to grow in this climate. It is one of the easier of the good kinds and needs only a little care in its early stages and during dry weather to make it permanent. It is a splendid plant to naturalize in woodlands where sufficient moisture can be supplied.

As grown from seeds, which are slow and uncertain of germination, the willow gentian varies in color of flower, in height of plant and in season of flowering. The flowers, although said to be typically dark blue, may run all the way from pale blue through deepening shades to deep

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<i>Clethra alnifolia</i>		
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1 to 2 ft.	6.00	50.00
<i>Syringa vulgaris</i>		
1 to 2 ft.	6.00	50.00
<i>Viburnum cassinoides</i>		
1 to 2 ft.	6.00	50.00

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<i>Abies balsamea</i>		
4 to 8 ins.	4.00	25.00
8 to 12 ins.	8.00	60.00
<i>Thuja occidentalis</i>		
6 to 9 ins.	4.00	25.00
6 to 12 ins.	5.00	40.00
<i>Tsuga canadensis</i>		
4 to 8 ins.	4.00	20.00
8 to 12 ins.	6.00	30.00

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LA RIANTE (Barri). White perianth, red cup.	85.00	65.00	40.00	
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JOHN GAY. Orange-red.	40.00	30.00
KRELLAGE'S TRIUMPH. Deep red.	40.00	30.00
ORANGE WONDER. Orange-red.	50.00	40.00
VAN DER EERDEN. Wine-red.	40.00	30.00
WEBER. White, edged lilac-rose.	40.00	30.00
WHITE SAIL. Pure white.	40.00	30.00

BISMARCK. Sky-blue.	
CITY OF HAARLEM. Yellow.	
GERTRUDE. Deep pink.	
GRAND MAITRE. Lavender-blue.	
JAN BOS. Deep red.	
KING OF THE BLUES. Dark blue.	
LADY DERBY. Light pink.	
LA VICTOIRE. Bright scarlet.	
L'INNOCENCE. White.	
MARCONI. Large pink.	
MYOSOTIS. Light blue.	
PINK PEARL. Bright rose.	
QUEEN OF THE PINKS. Pink.	

## PRICES PER 1000

	7 to 8 cm.	8 to 9 cm.	9 to 10 cm.	10 cm. up
BLUE	\$ 8.00	\$10.00	\$12.50	\$15.00
PURPLE	8.00	10.00	12.50	15.00
STRIPED	14.00	17.50	20.00	24.00
WHITE	17.00	20.00	24.00	27.00
YELLOW	19.00	22.00	25.00	29.00
MIXED	12.00	15.00	18.00	21.00

## CROCUS

	7 to 8 cm.	8 to 9 cm.	9 to 10 cm.	10 cm. up
BLUE	\$ 8.00	\$10.00	\$12.50	\$15.00
PURPLE	8.00	10.00	12.50	15.00
STRIPED	14.00	17.50	20.00	24.00
WHITE	17.00	20.00	24.00	27.00
YELLOW	19.00	22.00	25.00	29.00
MIXED	12.00	15.00	18.00	21.00

## IRISES

	10 cm. 9 to 10 cm.	8 to 10 cm. 9 cm.
WEDGWOOD. Well graded, healthy stock.	\$32.00	\$22.00 \$12.00
	8 cm. 7 to 8 cm.	6 to 7 cm.
BLUE TRIUMPHATOR. Large, early blue.	\$25.00	\$20.00 \$15.00
GOLDEN HARVEST. Fine golden-yellow.	20.00	15.00 10.00
H. C. VAN VLIET. Early dark blue.	20.00	15.00 10.00
IMPERATOR. Late dark blue.	20.00	15.00 10.00
WHITE EXCELSIOR. Pure white.	20.00	15.00 10.00
YELLOW QUEEN. Early yellow.	20.00	15.00 10.00

## MISCELLANEOUS BULBS

	Top size
CHIONODOXA Luciliae. Lilac-blue.	\$ 12.50
ERANTHIS Hyemalis. Golden-yellow.	22.50
FRITILLARIA Imperialis. Crown Imperial. Mixed.	175.00
FRITILLARIA Meleagris. Guinea Hen Flower.	20.00
GALANTHUS Nivalis Simplex. Single Snowdrop.	27.50
GALANTHUS Nivalis Plenus. Double Snowdrop.	35.00
MUSCARI Armeniacum. Deep cobalt-blue.	10.00
MUSCARI Heavenly Blue. Clear blue.	12.00
MUSCARI Plumosum. Feather Hyacinths. Violet.	12.50
SCILLA Campanulata. White. Blue. Pink or Mixed.	16.00
SCILLA Sibirica. Sky-blue.	16.00
SCILLA Spring Beauty. Large and taller than Sibirica.	20.00

TERMS: 2% 10 days; 30 days net to firms with established credit. 25% deposit required from firms unknown to us; balance payable on delivery. Cash in full with order earns 3% discount. Prices are subject to change. Stock offered subject to prior sale. Early orders F.O.B. New York, Detroit, or nearest port; late orders F.O.B. Farmington.

**GROWERS EXCHANGE, Inc.**  
Telephone: Farmington 1890  
**FARMINGTON, MICHIGAN**



# PEONIES

Standard 3 to 5-eye divisions, from young healthy plants.  
For Fall, 1951, or Spring, 1952, Delivery

	Per 10	Per 100
Baroness Schroeder. (9.0) Very large double type; blooms late mid-season. Blush, opening to creamy-white; fragrant. Blooms are long-lasting .....	\$4.50	\$40.00
Duchesse de Nemours. (8.1) Medium tall plant with erect, strong stems. Large double type; pure white blooms. Early bloomer; fragrant .....	4.00	35.00
Duke of Wellington. (7.8) White, double-type flowers. Early bloomer .....	3.70	32.00
Eduis Superba. (7.6) Very double, very early type of medium size. Clear, deep pink blooms; tall plants. Desirable for cut flowers .....	3.70	32.00
Felix Crousse. (8.4) Blooms late midseason. Large, double-type blossoms of bright ruby-red .....	4.00	35.00
Festiva Maxima. (9.3) Very large, globular, double-type flower of white with flecks of crimson on center petals. Early bloomer. Very popular .....	4.50	40.00
Fontenelle. Large, dark red, excellent for cutting; midseason .....	4.50	40.00
Francois Ortegat. (6.7) Midseason blooms of deep crimson .....	3.70	32.00
James Kelway. (8.7) Large, fluffy, double-type flowers of pale pink become white with age. Blooms early midseason. Tall stems .....	4.50	40.00
Karl Rosenfield. (8.8) Clear, bright crimson blooms of the double type. Tall, free-flowering plant with strong stems and good foliage. Reliable bloomer .....	4.00	35.00
Marie Lemoine. (8.5) Lemon-white when first open; gradually changes to pure white. Large, fragrant blooms; late bloomer. Strong stems ..	4.00	35.00
Mary Brand. (8.7) Large, rose-type bloom of dark clear crimson. Fragrant; free-flowering; strong stems. Good both as a cut flower and garden decoration .....	4.50	40.00
Mme. Emile Galle. (8.5) Delicate rose-pink color, fairly fragrant. Large flowers are of the double type; blooms midseason. Good stems and foliage .....	4.50	40.00
Mme de Verneville. (7.9) Free-flowering plant with light green foliage. Large, bluish-white bloom with crimson marks on tips of some petals. Roselike fragrance. A very good cut flower .....	4.00	35.00
Mons. Jules Elie. (9.2) Very large, double-type blooms of light rose-pink borne on tall stems. Moderately fragrant, blooms early. Most effective as cut flower .....	4.50	40.00
Sarah Bernhard. (9.0) Appleblossom-pink with silver tinge along edge of petals. Blooms are very large and of the double type. Midseason ..	4.50	40.00
Theresa. (9.8) Very large, double-type blooms have enormous, long petals of pale old rose pink paling toward base. Heavy foliage and strong stems .....	6.50	60.00
Walton Faxon. (9.3) Distinctive shell-pink color; blooms are of the double type and are mildly fragrant. Blooms midseason .....	5.50	50.00

## JAPANESE IRIS (Kaempferi)

The most beautiful of all iris, yet little known. Admired by all who see it. Blooms in June and July when other iris are through blooming. Large, flat, showy flowers atop tall, strong stems—2 or 3 buds to each stem. Flowers bear a remarkable resemblance to orchids.

	Per 10	Per 100
Ben Chadai. Double, dark mahogany-purple with white base to each petal .....	\$2.10	\$18.00
Catherine Parry. Double, blue overlaid red .....	2.10	18.00
Data Dagu. Lavender-blue and white .....	2.40	20.00
Gold Bound. Fine double, pure white with gold-banded center .....	2.40	20.00
Kagari-bi. (Torchlight) Six petals, light wine-red, lighter veins, yellow spot at bottom of each petal .....	2.10	18.00
Koko-No-Iro. Violet-purple, golden throat. Double .....	2.10	18.00
Mahogany. Purple mahogany red. Double .....	2.40	20.00
Momyi-No-Taki. Double, deep royal red .....	2.10	18.00
Mrs. Geo. Stumpp. Giant white, creped petals, double .....	2.40	20.00
Norma. Double, pink with blue base .....	2.40	20.00
Patrocle. Superb dark violet. Single .....	2.10	18.00
Pluton. Three petals, mahogany .....	2.10	18.00
Purple and Gold. Double, rich purple, gold throat .....	2.10	18.00
Rose Anna. Double white with red veins .....	2.10	18.00
Sea Crest. Double blue and white .....	2.40	20.00

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"Your Wholesale Nurserymen"  
OTTAWA, KANSAS

violet, and, of course, there is a pure white form, which comes true from seeds. Here it never reached over eighteen inches in height and more often than not did not exceed twelve inches. Literature mentions stems four feet in length, however, but that must have been in rich soil with plenty of moisture. Stems four feet long, arching almost to the ground under the weight of the great number of blooms, would be a sight worth seeing. The flowering period is naturally a long one, generally commencing in late July and continuing throughout August. Seedlings vary, however, in that respect, some not reaching their utmost performance until September, and I have seen a few at their best just before frost withered them. A plant of that kind is worth the effort needed to make it thrive. If you try it from seeds, be sure they are fresh.

### Two Pink Erodiums.

A Minnesota reader asks for comments on two erodiums, *E. chamaedryoides* and *E. macradenum*. So far as the Minnesota reader and I are concerned, the first can be dismissed with the word tender. It may be well, though, while the subject is before us, to dwell upon it a moment. If it were hardy, *E. chamaedryoides* would be among my favorites. Wherever it is hardy, although I should not expect it to be so in many localities north of the Ohio river, it should attract customers as few other small plants do. That is true not only because of the beauty of its pink salvers on 2-inch stems over tufts of glossy leaves, but also for its summer-long period of production. It did best here in well drained soil in sun.

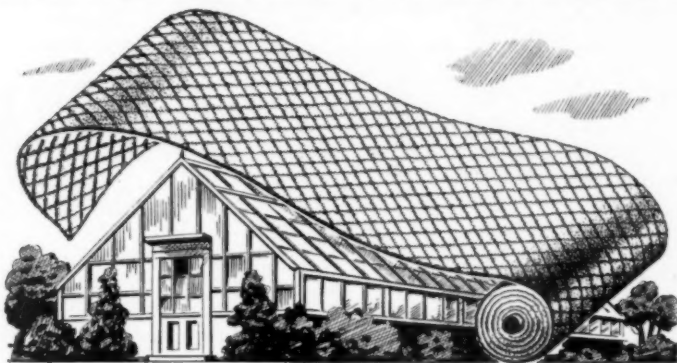
Although we of the north cannot enjoy *E. chamaedryoides* without much effort, we have a worthy substitute in *E. macradenum*. It, too, has a long blooming season, as have many erodiums, and, though it may not be so floriferous as *E. chamaedryoides*, one can expect some color, ordinarily pink blooms with deeper veins and a black blotch at the center, from June until frost. It is taller than *E. chamaedryoides*, reaching eighteen inches here, and the tufts of pale green, ferny leaves are more ample. Although it is from Spain, it proved to be hardy here, doing especially well at the base of a south wall. It also grows well in a wall that is not too dry.

### Lilium Hansoni.

I was reminded by this erratic spring to say a few words about one  
[Continued on page 76.]

## NEW LOW PRICES ON ARMY CAMOUFLAGE NETTING—THE ORIGINAL CAM-SHADE. SUN - HAIL - FROST AND WINDBREAK PROTECTION.

THAT BROILING HOT SUN WILL SPOT THOSE TENDER PLANTS AND SEEDLINGS SOONER THAN YOU THINK. BE PREPARED FOR THAT HOT WAR ON PLANTS AND SEEDLINGS IN FIELD BEDS OR GREENHOUSES BY ORDERING CAM-SHADE CAMOUFLAGE NETTING TO SHADE AND PROTECT THEM.



CAM-SHADE will shade your plants and can be used as FROST PROTECTION or used as WINDBREAK and HAIL PROTECTION. CAM-SHADE can also be used to cover the glass on greenhouses instead of spraying with costly spray material plus cost of labor. Yoder Bros., of Barberton, Ohio, used over 40,000 yards of CAM-SHADE to cover greenhouse Ranges and found this lowered the temperature considerably.

CAM-SHADE LASTS UP TO 5 OR 6 YEARS; your expense in one year for spraying will pay for CAM-SHADE.

**CAM-SHADE ALSO IS USED TO COVER LATH HOUSES.** Instead of expensive wooden lath construction, a lath house can be made very cheaply by using 6-inch poles and No. 8 wire for supports, covering both tops and sides with CAM-SHADE. This makes for perfect shade and also acts as a windbreak. CAM-SHADE costs only 9½¢ per square yard.

Sizes and prices listed below:

		Prices
22 x 22 ft.	53 7/9 sq. yds.	\$ 5.11
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36 x 44 ft.	176 sq. yds.	16.72
45 x 45 ft.	225 sq. yds.	21.38

On less than minimum order of 4 pieces, there is an additional charge of \$2.00 for handling.

**SEND THAT ORDER TODAY.**

**WE HAVE FIVE SECTIONAL WAREHOUSES TO SAVE ON SHIPPING CHARGES.**

### AMERICAN ASSOCIATED COMPANIES

X. S. SMITH, REP. IN CHARGE OF FLORIST TEXTILE DIV.

Box 272

RED BANK, N. J.

# A.A.N. Committee Reports

## RECORD A. A. N. MEMBERSHIP.

On July 1, 1950, memberships in the American Association of Nurserymen stood at the all-time high of 1,293 firms. On July 1, 1951, they had risen to a new record of 1,342 firms, with sixteen additional applications being processed.

During its past fiscal year, the A. A. N. accepted 112 new members. For various causes seventy-four memberships were discontinued, giving a net increase of forty-nine, or 3.8 per cent.

## SUGGEST A. A. N. RESEARCH.

The first report of the new research committee of the American Association of Nurserymen made to the A. A. N. board of governors July 16 at the annual convention at New Orleans by Louis Hillenmeyer, Jr., chairman, offered six suggestions for research projects for the nursery industry. These were:

The study of the nematode, its relationship to plants, methods of control and treatment, the production of otherwise suitable nematode-resistant rootstocks and more satisfactory methods of sterilization to eliminate the pest.

A study of virus diseases of the more important nursery crops pointed toward the discovery and practical methods of control.

Better methods for the control of crown gall.

Further study of weed control with special emphasis on nut grass, Johnson grass and Bermuda grass.

A study of foliage feeding with direct application to nursery stock. Work with the application of minor elements fertilizer might also be included in this category.

Further study on the control of fungus in connection with cold storage of nursery stock. Some of the chemical companies have supposedly perfected materials that will control mold on foodstuffs, and perhaps some of these may be suitable for nursery use.

## MARKET DEVELOPMENT.

Regional chairmen and other members of the A. A. N. market development and publicity committee and association officers met Sunday afternoon, July 15, to hear a report on the A. A. N. public relations program from July, 1950, to May 18, 1951. The main report, made by

Howard P. Quadland, New York, A. A. N. office of public information, covered newspaper, magazine and radio publicity, the "Plant America" program and the members' bulletin called Dividends. He also showed the A.A.N.'s entry in the American Trade Executives Association contest for the best project of the year. The entry is a thick volume of the "Plant America" program with letters of commendation from important officials in government and industry.

Mr. Quadland's full report to the board of governors is published on another page.

Individual reports on local "Plant America" promotions were given by Kimball Andrews, Faribault, Minn., on the program developed in Minnesota and the Dakotas; by Richard Wyman, Jr., Framingham, Mass., on the Stow village planting project, and by Mario Sanseverino, Oklahoma City, Okla., on the highway beautification efforts in Oklahoma.

Business discussion centered on the sales suggestions bulletins issued to members. It was the consensus that it would be valuable to circulate

these to nonmember nurserymen. Several asked for an issue devoted to the care of nursery stock in the salesyard which they could distribute to their dealer-customers.

Discussion closed with presentation of the budget for the ensuing year and the recommendation that it be increased \$4,000 over last year.

## SUGGEST LAY BOOKLET ON GRADE STANDARDS.

After carefully reviewing the A. A. N. booklet "American Standards for Nursery Stock" from the consumers' standpoint, the retail standards committee of the American Association of Nurserymen, with G. Walter Burwell, chairman, suggested in its report July 18 to the A. A. N. board of governors at New Orleans that the A. A. N. publish a popular edition of these horticultural standards for use by garden clubs and others outside the trade to help the public in recognizing and buying quality nursery stock.

The committee advised that this layman's edition be written by a recognized horticultural writer, not a nurseryman. It should consist largely of illustrations, probably sketches, and not over one-tenth of the pres-

## RETIRING CLOSING OUT TREE PEONIES and IRIS Kaempferi-Higo Strain

Iris Kaempferi-Higo strain. 25 of the best, newest originations. Limited quantity available of these most magnificent of all Iris for fall delivery.

Tree Peonies. Limited quantity, named and lost-labeled young and old plants at sacrifice prices.

Tree Peony Seeds. New crop, ready for fall delivery.

**LOUIS SMIRNOW**  
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## LINING-OUT STOCK

IN WIDE ASSORTMENT

Hardy Azaleas, Pink Dogwood, Jap. Red Maples, Old English Boxwood, Lilacs (French Hyb.), Evergreens, etc., in 1, 2 and 3-yr. transplants, at competitive prices. Write for list.

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Growers of Quality Ornamental Stock.

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## Pennsylvania Evergreens

Each  
Rhododendron Maximum.  
B&B, 18 to 24 ins. \$1.50  
B&B, 24 to 30 ins. 1.75  
Kalmia Latifolia.  
B&B, 18 to 24 ins. 1.25  
B&B, 24 to 30 ins. 1.50  
All are cutback, collected Pennsylvania plants dug with a good ball of earth and roots. These are the nicest possible to obtain and are the result of 5 years of cutting back. A yearly supply of these sizes is now obtainable up to 1500 plants. Smaller sizes on request.

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## ORNAMENTAL EVERGREENS

## Trees & Shrubs

**BAGATELLE NURSERY**  
P. O. Huntington Station, N. Y.

Choice Varieties of Lining-out Stock.

Write for our 1951 price list.

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Route 19, 31 mi. north of Pittsburgh, Pa.  
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# YEAR AFTER YEAR

*...the same customers*

Every bush now being grown in our fields at Hemet has already been allocated to a long-time customer. This year-after-year demand for our bushes is due to two things:

## 1. *An ideal growing climate*

Our growing fields are located in a mountain valley in Southern California, where the soil is extremely rich. The growing season is hot . . . and our bushes thrive under the desert sun and ample irrigation. However, the winters are cold. Thus we produce hardy, vigorous bushes "climatized" to extreme temperature conditions likely to be encountered anywhere in the United States.

## 2. *We don't rush the season*

Only when all of the bushes in our fields are dormant do we begin digging. This means that our customers not only get rose bushes that are hardy and mature . . . but bushes that are completely dormant and certain to grow.



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PATENTED AND NON-PATENTED ROSE BUSHES FOR THE WHOLESALE TRADE  
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## New Natural Color Holland Bulb FOLDERS

They answer your customers' questions and give you more time to sell bulbs. Reliable information on how, when, and where to plant and many suggestions about uses of Tulips, Hyacinths, Daffodils, and Minor Bulbs to encourage customers to buy more kinds. Use these folders for direct mail, to hand out, or place on your counter. Furnished at a nominal price of only \$1 per hundred.

## FREE Dealer's Sales Kit

...to help you boost sales of Fall Bulbs. A window Decalcomania to mark you as an authorized dealer of Imported Holland Bulbs; plus 50 Bulb Planting Leaflets; colorful Wall Posters; Window Streamers; and Counter Display Card. ALL FREE!

This Decalcomania is printed in attractive colors—free for your store door or window, to tie in with our national advertising.



## SELL MORE IMPORTED Holland Bulbs with these colorful Dealer Helps

SEND COUPON OR POST CARD TODAY

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Send me your descriptive folder and order form for 1951 Holland Bulb Sales Aids.

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## CLEARFIELD BITUMINOUS COAL CORP.

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Indiana, Indiana County, Pa.

Growers of Quality Evergreen Seedlings and Transplants  
for over 25 Years.

Write for Price List and Planting Guide.

## LINING-OUT STOCK

Our new Fall, 1951, price list will be ready for distribution October 15. If you are interested in any special items, send us your list NOW.

**THOMAS B. MEEHAN CO., Inc.**  
DRESHER, PA.

"A friendly, efficient sales service"

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SALES AGENCY  
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Bristol Nurseries, Inc.  
Barnes Brothers Nursery Co., Inc.  
North-Eastern Forestry Co., Inc.  
A. N. Pierson, Inc.

A complete line of well grown hardy plant material  
Evergreens and Lining-out Stock

ent text. Sections on lining-out stock, fruit tree seedlings, citrus stock, seedling trees and balling specifications should not be included, as the amateur gardener does not need this information.

Mats of the new sketches and other illustrations for this booklet should be made available to A. A. N. members for use in their catalogs and other advertising to acquaint the public further with the nurserymen's standards of grading, for most people do not know that such standards even exist.

It should be emphasized that age is not a measurement of trees and shrubs. In the A. A. N. horticultural standards it is stated that caliper is the determining measurement in grading, and the public should be informed of this, so that it will not continue under the misconception that height and age are the measurements.

The age of rosebushes, as usually sold, should be clarified, as there is considerable contradictory advertising of 2-year and 3-year roses. Along with other information on rose grades it should be stated that No. 1, No. 1½ and No. 2 rosebushes are customarily 2 years old.

## CONTRIBUTE TO NATIONAL ARBORETUM.

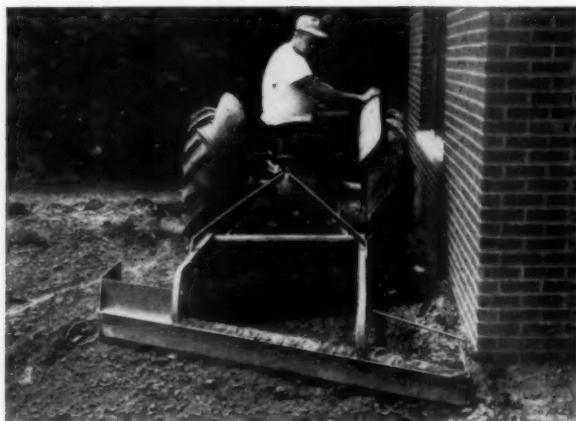
In the absence of the chairman, Robert Pyle, on a trip to Europe, Executive Secretary Richard P. White prepared the report for the botanical gardens and arboretums committee of the American Association of Nurserymen. The report, presented July 16 to the A. A. N. board of governors in convention at New Orleans, told of progress made this year on the A. A. N.-sponsored project to build up a collection of flowering crab apples for the National Arboretum at Washington, D. C., that in years to come will equal in popular fame the flowering cherries of the Tidal Basin at the nation's capital.

Requests were made to A. A. N. members who were known to propagate flowering crab apples for a list of varieties which they could supply. Thirteen firms contributed a total of 446 one-year-old whips in 108 varieties, and some 2-year-old stock. These firms were Champion Nurseries, Perry, O.; Cherry Hill Nurseries, West Newbury, Mass.; Cole Nursery Co., Painesville, O.; D. Hill Nursery Co., Dundee, Ill.; Hillenmeyer Nurseries, Lexington, Ky.; Henry Kohanek & Son, Painesville, O.; Linn County Nurseries, Center Point, Ia.;

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1. The start—on a rough, graded lawn. (Also good for cutting in driveways, etc.)



2. Works close to walls, curbs, etc. Minimum hand labor involved.



3. Highly maneuverable around small trees and shrubbery. Quickly raised for backing.



4. Makes short work of large lawns. Lawn shown here was finished in half a day.

## THE GLEDHILL EARTH PLANER IS YOUR BEST BUY

Fits on Jeep, Ford tractor or any other tractor having three-point hydraulic lift.

For leveling lawns, driveways and general grading preparatory to seeding, this sturdy, low-cost Earth Planer is delivering pleasant surprises to users. "It's a real outfit," they say. It pays for itself on the first few jobs—lasts a long, long time.

Write for details and prices . . .

**better do it NOW!**

- Only one man needed to operate it.
- Opposing blade design assures smooth, uniform spreading.
- Adjustable center bar permits deeper cut where desired.
- Blades are tough, high carbon steel—scraper type, replaceable.

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### BROADLEAFS

Abelia  
Azalea  
Elaeagnus  
Euonymus  
Hedera helix  
Ilex  
Laurocerasus  
Ligustrum  
Nandina  
Osmanthus  
Pyracantha  
Viburnum

### CONIFERS

Biota (Chinese Arb.)  
Juniper  
Pinus  
Retinospora  
Woodward Globe and  
Pyramidal Arborvitae  
Shade Trees

Various varieties.  
(No liners.)

### Some bouquets from a distance:

INDIANA: "That was a beautiful lot of Leatherleaf Viburnum you sent us."  
(A trailer load of 600.)

KENTUCKY: "We certainly want to thank you for that beautiful stock that you sent us." (A carload.)

GEORGIA: "We want to thank you for the efficient service rendered in getting our plants to us. On the most part everything reached us in good condition." (Five big trailer loads.)

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NEW YORK: "You handled our previous order so well we want to order another lot." (The several orders were for more than 1,800 plants.)

MAYBE WE CAN BE OF SERVICE TO YOU ALSO.

Our 109th Year. Experienced, Progressive, Dependable.

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GREENSBORO, N. C.

## EVERGREEN LINERS

We maintain 60 acres of evergreens, consisting of liners and finished stock. Be assured that your patronage has been appreciated and valued. Let us quote your needs.

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## TAXUS MEDIA HALLORAN

Past winters have proved this variety to be very well adapted for the middle western climate. We have 1, 2 and 3-year liners to offer.  
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**J & P**

EVERGREENS  
SHADE TREES

SHRUBS, VINES  
HEDGE PLANTS, etc.

In good assortment.

**Jackson & Perkins Co.**  
NEWARK, NEW YORK STATE

Marshall Nurseries, Arlington, Neb.; Princeton Nurseries, Princeton, N. J.; Knight Percy Nursery, Salem, Ore.; the Siebenthaler Co., Dayton, O.; Simpson Orchard Co., Vincennes, Ind., and Oscar H. Will Co., Bismarck, N. D. Many other firms are propagating material for later shipment to the arboretum, and others offered varieties for which arrangements had already been made.

Donations of plants were also received from the Arthur Hoyt Scott Foundation, Swarthmore, Pa.; the Dominion experiment station, Morden, Man., Canada, and the Central experimental farm, Ottawa, Canada. The A. A. N. hopes to obtain varieties not represented in the collection to date through the owners of several large crab apple collections, particularly that of A. F. den Boer, Des Moines, Ia.

In addition to the crab apple project, two other collections are being prepared for the National Arboretum. Arrangements have been made with Dr. L. C. Chadwick, department of horticulture, Ohio State University, Columbus, for the propagation of a collection of taxus as represented in the taxus herbarium at the university. Walter B. Clarke, president of W. B. Clarke & Co., San Jose, Calif., is preparing a complete collection of the varieties of his Japanese flowering quince hybrids.

### A. A. N. REGISTRATION OF NEW WOODY PLANTS.

The registration of new woody plants, originated or introduced into the United States since 1930, exclusive of fruits and roses, was undertaken by the American Association of Nurserymen in 1947 to answer the need for a complete listing, since prior to that time no formal registry of woody plants had been maintained. However, fruit trees that have ornamental value are registered by the A. A. N. The registration is intended to reduce the possibility of other clones' becoming confused with an original introduction and sold under its name.

Nurserymen who have originated or introduced woody plants since 1930 are asked to write for registration cards, fill them out and mail them to the American Association of Nurserymen, 636 Southern building, Washington 5, D. C.

Reporting for the nomenclature and plant name registration committee July 18 before the A. A. N. board of governors in convention at New Orleans. Chairman I. Frank [Continued on page 95.]

# **EBONY KING!!**

# **EBONY KING!!**

# **EBONY KING!!**

## **A New Blackberry**

**— Upright —**

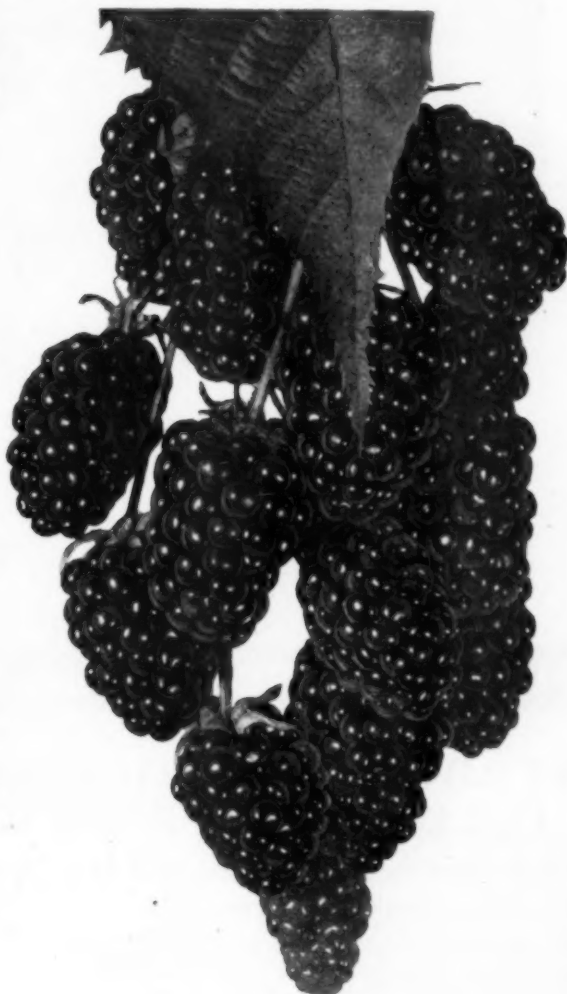
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Our test block is 100 per cent free of sterility or plants that fail to produce berries. Very thrifty, vigorous-growing bushes that are exceptionally hardy—having withstood the 22-degree below zero temperature last November. The bushes are upright with very strong canes, being able to hold up a heavy crop without breaking down. Potential yield is 8,000 to 10,000 pints per acre.

Give your customers the best in Blackberries—one that we have been looking forward to for many, many years. We have an exceptionally nice block of 1-yr., No. 1 Rooted Cuttings and also 2-yr. Transplants. This is the first season that these Ebony King blackberries are being offered to the nurseryman, and the supply is still limited. If you decide to offer them to your customers for either fall or spring, contact us as soon as possible.

	Per 100	Per 1000
2-yr., No. 1 Transplants .....	\$17.50	\$150.00
1-yr., No. 1 Rooted Cuttings .....	12.00	100.00

Prices subject to supply.

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**Tsuga Canadensis**, B&B, 3 to 4 ft.

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## AMERICAN NURSERYMAN

### NEW RUTGERS CURRICULUM.

A new curriculum being developed in the college of agriculture, Rutgers University, New Brunswick, N. J., will provide an opportunity for study in landscape development. The new curriculum, landscape and nursery science, is a standard 4-year college course providing general training as well as specific work in the sciences and techniques in the development of landscape and nursery projects.

Dr. William H. Martin, dean of the college and director of the agricultural experiment station, announced plans for the new studies after a recent conference with the executive committee of the New Jersey Nurserymen's Association. Gerard Grootendorst, of Oakland, is chairman of the committee.

### NEW BRECK OFFICERS.

At a recent meeting of the board of directors of Breck's of Boston and Joseph Breck & Sons Corp., Clarence H. Wells was elected executive vice-president of the firm and James Shiels was elected vice-president of the horticultural division. The announcement of their appointments was made July 8 by Luther A. Breck, Jr., president of the 134-year-old wholesale and retail firm.

Both men have served with the company for many years. Mr. Shiels began as manager of Breck's Franklin street store in 1932 and later served as head of the seed department. His promotion was to fill the vacancy left by the retirement of Harold S. Ross in 1948.

Mr. Wells entered the accounting department at Breck's in 1935. He had served as assistant treasurer and as treasurer and director of the firm before he was appointed executive vice-president.

### MOVES GIANT AZALEA.

Owen B. Schmidt, of F. D. Moore & Sons, Narberth, Pa., was pictured in the Philadelphia Evening Bulletin of July 9 with an azalea bush twenty-six feet wide, said to have been planted at Chestnut Hill in 1902. This giant specimen of *Azalea ledifolia alba* was one of three big azaleas moved to another residence in that suburb last June. The other two were smaller, one about eighteen feet across and one about twenty feet wide.

On the biggest azalea a ball seven feet wide and three feet deep was taken. The weight of soil and plant was six tons.

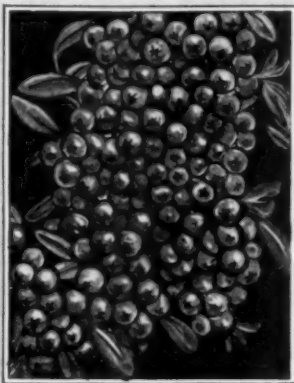


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Monrovia Nursery Co.

Monrovia, Calif.

# This Business of Ours

*Reflections on the Progress and Problems of Nurserymen*

*By E. Sam Hemming*

## TEACHING YOUTH ABOUT PLANTS.

My father always complained that our educational system completely ignored an interest in plants and that the average child, particularly the city child, grew up in abysmal ignorance of the nature of plants and plant life. He always thought in terms of "catching them while young," putting hoes in their hands and giving them a first-hand knowledge. To him there was no substitute for the apprentice system.

With our present-day child labor laws and attitudes, such ideas as his are virtually impossible, and, even if they were possible, they are not feasible, for such a practice would create resentment and not interest in most children.

The secondary schools are not failing us in teaching children about plants. I find that in the past twenty years there has been a great increase in the diversity of elementary plant knowledge being taught. I do not refer to vocational agriculture courses and 4-H Club work, but to what is taught all children in their general science courses. I have four children and am president of the local high school's parent-teacher association; so I am interested in the matter.

Just the other day I was asked to talk to a class of freshmen in the general science course. The class was studying the theory and procedure of designing, constructing, decorating and landscaping a home. The teacher wanted me to give the children some elementary landscape principles and simple planting instructions, as well as tell them where to buy the plants and obtain landscape service. Such instruction of youth seems to me to be vital to our industry. At least the youth in this class will not go out into the world completely unconscious of plants and landscaping, but will include among their ambitions an attractively landscaped home.

I have noticed that plants and plant life are generously and favorably covered in my children's textbooks, not just for the botanical student, but, what is most important, for the great majority.

On another occasion I was asked to go to a school about twenty-five

miles away to prepare a plan for its planting. After the plan was prepared I was invited to tell the children about the plan and describe the types of plants used and explain why these particular ones were used. Later, after the planting was done, there occurred a funny incident that I shall not forget. The landscape foreman in charge of the planting was an ex-sergeant who had served under General Patton in Europe. When this foreman arrived at the school the principal sent about thirty boys with spades and shovels to help him, and his expression of surprise was unforgettable. Still later the planting was photographed, and now the state shows it as a sample of worthwhile student projects. Surely, the knowledge and interest gained by these children will be carried into adulthood and will dignify our profession to them.

I do not know the solution to the problem of how to teach youth in a practical manner how to grow and

cultivate plants. While young people learn the theory today, they do not get much practice with the hoe, but for the vast majority maybe it is better this way. I have always had a personal interest in plants and enjoy my profession, but, when a boy, I never thought kindly of my hoeing chores. Those interested in plants as a profession or a hobby will learn to work with them as they go along, and all those others who have a basic knowledge of plants' importance and an understanding of their place in their lives will look upon plants as we nurserymen would wish. But certainly the schools can no longer be accused of neglecting plants, and when the present-day youth matures, its understanding will mean much to the nursery industry.

E. S. H.

## SUMMER-FLOWERING SHRUBS.

Nurseries located, as we are, in a resort or semiresort area have a great call for plants that are colorful in summer. Of the three growing seasons, summer is the most drab, and even winter seems more interesting than summer in some respects. A look around the nursery at this

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These plated, tubular, steel hollow tine tools are being bought in quantity by homeowners. The DeLuxe double tine for lawns retails at \$6.95. The Deeptime for trees and shrubs sells for \$4.75. Landscape men are finding these tools in big demand by homeowners.





## GENERAL LINE of ORNAMENTALS, LINERS and FINISHED MATERIALS

Some of our salable counts as follows:

Fall, 1951, and Spring, 1952.

- 10,000 *Juniperus Glauca Hetzi*, 15 to 30 ins.
- 25,000 Upright Yew, 18 to 48 ins.
- 20,000 Spreading Yew, 15 to 30 ins.
- 5000 *Rhododendron Hybrids*, 18 to 30 ins.
- 4000 *Azalea Hybrids*, 18 to 30 ins.
- 1000 *Magnolia Soulangeana*, 24 to 48 ins.
- 250,000 Japanese Red-leaved Barberry, 6 to 30 ins.
- 75,000 *Juniperus Glauca Hetzi*, 2-yr. T.
- 8000 *Philadelphus Virginialis*, 18 to 48 ins.
- 50,000 *Philadelphus Virginialis*, 1-yr., 10 to 15 ins.

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Large specimen *Cuspidata*,  
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Also

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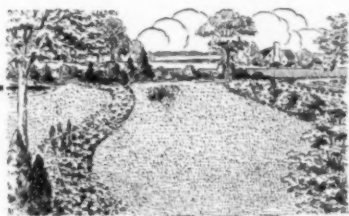
writing, the first week in July, finds barely a shrub in bloom. To be exact, there are only *Hydrangea macrophylla* Otaksa, red spirea, the abelias and pomegranates. It is true that July is in the season between the early and late-flowering shrubs, but with more effort on our part we could find additional plants to fill the gap and to increase the late-flowering shrub list.

In addition to those mentioned, the commoner late-flowering shrubs that we have to depend on are crape myrtle, vitex, spicebush, caryopteris, beauty-fruit, *Sophora viciifolia*, smokebush, nandina and althaea. Some of these shrubs could be improved, not only in the length of their flowering period but also in the quality of the flower. Crape myrtle and caryopteris have had some attention, but I am sure that plant breeders could do more. Common althaea has a number of varieties, but it is coarse and weedy and the flowering period is short. My father worked on the mallows for a number of years and finally developed one with good form and color, dark green foliage and a 2 to 3-month flowering period, which we have patented and will offer to the public soon. It should help considerably in giving summer color.

Here on the Eastern Shore of Maryland abelias, white and pink, are valuable. Perhaps, with further hybridization and with a little of the color of some of the subtropical red kinds, we may develop further varieties. There are a number of our common spring shrubs, among them *Magnolia lennei*, *Philadelphus virginialis* and *Weigela Eva Rathke*, that show a tendency to repeat bloom. If this characteristic were given more attention, we might develop it in shrubs as it has been developed in climbing roses.

Plants in nature that have the tendency to flower later in the season are in many cases on the border line of tenderness and have been brought here from the subtropics and from milder climates. By selection and hybridization hardier plants are continually being brought northward with desirable results. I have mentioned previously the work done on *Camellia sasanqua*, and I should not be too surprised to see the tender hibiscus, on which so much work has been done in the south in the past twenty years, gradually come into use in the north. Crosses with my father's perennial hibiscus may even be possible.

For a while the semitender shrub



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An assortment of heavy stock  
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RED LAKE RED CURRANTS, 2-yr. No. 1

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GENESEO, N. Y.



fuchsias were sold widely. They are pretty, but they apparently were not ready for the temperate zone. I do hope they will not be forgotten, however, and that they too will show up again in harder varieties and types. It is not necessary to say much about the floribunda roses, one of my favorite groups of flowering plants, except to point out how the list of these has grown in the past twenty years. The work done on azaleas has all been toward developing hardiness and new shades, but certain of these plants tend to bear a sporadic flower later in the season, particularly the common *Azalea ledifolia*. I wonder if this plant could not be made to change its blooming season until a little later. The flowering season of chrysanthemums, for example, although they are not shrubs, has been changed radically.

A good example of a plant in which the variety of colors and the flowering season have been extended is the buddleia. It has been given considerable attention, and the results have been marked. With our heavy dependence in the past on annuals for summer color, there has not been the effort needed to broaden the list of summer-flowering shrubs. With the increase in the construction of suburban, resort and rural homes and with the growing lack of gardening help, however, shrubs which bloom in summer will receive more and more attention.

E. S. H.

### JAP BEETLE QUARANTINE.

The United States Department of Agriculture has announced that it is proposing that the federal Japanese beetle quarantine be continued and the state of North Carolina be added to the quarantined area. The department's decision was reached in June after a public hearing at Washington, D. C., March 30, which was called after suggestions had been made that federal control of the Japanese beetle should be discontinued. State plant pest officials and horticultural trade representatives at the meeting were virtually unanimous in recommending that controls be continued.

In connection with its proposal to add North Carolina to the quarantined area the department proposes to place more than forty counties of that state under active regulation to prevent spread of the Japanese beetle, and also to extend the present regulated areas in New York, Ohio, Pennsylvania and West Virginia to



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Two-year Grafts in:

Lilacs in Choice Varieties  
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Wistaria Rosea (pink)

One-year Grafts in:

Koster Blue Spruce  
Lilacs in Choice Varieties  
(true-to-name)  
Viburnum Carlesi

Two-year Transplants in:

Cotoneaster Divaricata  
Euonymus Vegetus  
Ilex Convexa (cuttings)  
Taxus Cuspidata (spreading)  
Taxus Hatfieldi

One-year Transplants in:

Forsythia Spring Glory (new)  
Juniperus Hetzi  
Juniperus Meyeri  
Magnolia Soulangiana  
(grown from cuttings)

## SALABLE STOCK

DDT-treated to be shipped outside beetle area.

Taxus Cuspidata (spreading),  
15 to 18 ins. and 18 to 24 ins.

Taxus Hatfieldi,  
18 to 24 ins.

Ask for Complete List on LINERS and FINISHED STOCK. Your inspection is cordially invited at any time.

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PLANTS  
SHRUBS  
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### WANTED

Nursery-cut Christmas Trees  
Preferably Colorado Blue or Green Spruce.  
Well shaped tips, symmetrical and full, from  
6 to 9 ft. tall. Quote prices on carload lots and  
trailer truckloads.

MANGEL FLORIST  
126 Skokie Highway Wilmette, Ill.

include all important infestations discovered in nonregulated sections of these states. The Japanese beetle quarantine act requires that no less than an entire state may be placed under quarantine, but regulated areas are confined to areas within the state which are actually infested. Shipments of plants and soil from a regulated area must be examined or treated by a federal inspector before certification for shipment.

Another proposal by the department is that the present restrictions on the interstate movement of cut flowers during flight of the adult beetle be discontinued. Cut flower inspection in recent years has disclosed a negligible hazard of beetle spread by this means.

### U. S. D. A. STAFF CHANGES.

Selected as director of the southeastern region of the bureau of entomology and plant quarantine of the United States Department of Agriculture, W. G. Bruce will have his headquarters at Gulfport, Miss. The southeastern region, composed of nine states, is one of five regions recently established in a reorganization program of the bureau. Mr. Bruce will be responsible for the coordination of bureau administrative activities in the area and of control regulatory activities.

P. A. Berry, entomologist for the bureau of entomology and plant quarantine, left June 6 for El Salvador to assist in the control of insects affecting food and fiber crops in that country. He has joined six other specialists of the office of foreign agricultural relations at the agricultural station operated jointly by El Salvador and the United States. The two countries have been collaborating for agricultural improvement since 1942.

Mr. Berry has had many years of experience in tracing plant diseases to the insects that spread them and in investigations on the biology and habits of beneficial insects to determine their value in pest control. An employee at the bureau of entomology and plant quarantine since 1929, he was formerly an instructor in entomology and zoology at Clemson College in South Carolina. His assignment in El Salvador was made at the request of the government of that country and in cooperation

ANNOUNCEMENT has been made that Jess P. Foster has resigned as vice-president and manager of Brown Deer Nurseries, Milwaukee, Wis.

## TRANSPLANT NOW

All items noted below can be safely transplanted into beds now.

### Ilex Bullata

One of the new varieties of Jap. Holly in great demand. It has small, shiny, convex leaves. Grows rapidly at first, then slows down. Shears well. It can be used in sun or shade and contrasts well with both broad-leaved and narrow-leaved evergreens. It makes the finest low evergreen hedge. Easy to grow, and faster than yews. Sells on sight.

	Per 100
4 to 6 ins., 2-yr. T.	\$15.00
6 to 8 ins., 2-yr. T.	20.00
8 to 10 ins., 2-yr. T.	25.00

### AZALEA Hindogiri,

	Per 100
3 to 6 ins., 2-yr. T.	\$15.00
6 to 8 ins., 2-yr. T.	25.00

### IVY, Baltic, 2-yr. R.C.

	Per 100
3 to 4 ins., 2-yr. T.	6.00

### BOXWOOD, English, 3 to 4 ins., 10.00

	Per 100
BOXWOOD, American, 4 to 6 ins.	10.00

	Per 100
6 to 8 ins., 2-yr. T.	15.00

	Per 100
ILEX crenata, 4 to 6 ins., 2-yr. T.	15.00

	Per 100
6 to 8 ins., 2-yr. T.	20.00

### Pieris Japonica

The most beautiful broad-leaved evergreen of all. In summer the color of the foliage is always changing, first red, then pale green and then dark green. In August the flower buds form, in graceful racemes for next spring's flowers. White lily of the valley like flowers appear with the first warm weather and flowers often last 6 weeks. Grows well in sun or shade. Makes a nice contrast with azaleas and rhododendrons.

	Each
4 to 7 ins., TT.	\$0.15
7 to 9 ins., TT.	.20

### Leucothoe Catesbaei

A good broad-leaved evergreen that grows in dense shade; lily of the valley like flowers, reddish-bronze foliage in winter. Contrasts well with azaleas and rhododendrons. Fine for flower arrangements.

	Each
6 to 8 ins., T.	\$0.15

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NESHAMINY, Bucks Co., PA.

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The ideal permanent evergreen ground cover plant for shady areas in all climates. Strong, well rooted, 1-yr.-old plants, \$3.75 per 100; \$35.00 per 1000; \$32.50 per 1000 for 5000 or more. Prompt shipment anywhere.

PEEKSKILL NURSERY SHRUB OAK, N. Y.

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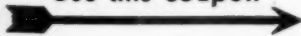
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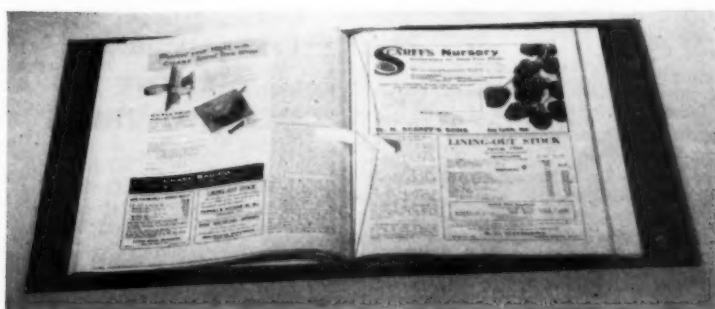
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# Coming Events

## MEETING CALENDAR.

August 6 and 7, Washington State Nurserymen's Association, Empress hotel, Victoria, B. C., Canada.

August 6 and 7, National Mail Order Nurserymen's Association, Hotel La Salle, Chicago.

August 7 and 8, West Virginia Nurserymen's Association, Oglebay Park, Wheeling.

August 8, Connecticut Nurserymen's Association, Lake Compounce.

August 9, Pennsylvania Nurserymen's Association, West Grove.

August 9 and 10, New York State Nurserymen's Association, Roger Smith hotel, White Plains.

August 13 to 15, Southern Nurserymen's Association, Hotel John Marshall, Richmond, Va.

August 13 to 15, Virginia Nurserymen's Association, Hotel John Marshall, Richmond.

August 13 to 15, North Carolina Association of Nurserymen, Hotel John Marshall, Richmond, Va.

August 14, New England Nurserymen's Association, Newport, R. I.

August 16 and 17, Michigan Association of Nurserymen, Harris hotel, Kalamazoo.

August 21 to 23, Ohio Nurserymen's Association, Zaleski state park, Zaleski.

August 27 to 29, Texas Association of Nurserymen, Plaza hotel, San Antonio.

August 27, National Arborist Association, Netherland Plaza hotel, Cincinnati, O.

August 27 to 31, National Shade Tree Conference, Netherland Plaza hotel, Cincinnati, O.

August 28 and 29, Northern Nut Growers' Association, University of Illinois, Urbana.

August 30 and 31, short course for nurserymen, Ontario Agricultural College, Guelph, Ont., Canada.

August 31, Iowa Nurserymen's Association, Shenandoah.

September 6 to 7, Kansas Association of Nurserymen, Ottawa.

September 18 and 19, Oregon Association of Nurserymen, Congress hotel, Portland.

September 24 to 26, California Association of Nurserymen, Ahwanee hotel, Yosemite National Park.

September 28 and 29, Louisiana Nurserymen's Association, Covington.

October 5 to 7, Texas rose festival, Tyler.

October 7 and 8, Florida Association of Nurserymen, trade fair, Haven hotel, Winter Haven.

November 12 to 16, American Institute of Park Executives, Miami, Fla.

## MOVE NEW ENGLAND DATE.

Because of conflict with other association meetings, the date for the summer meeting of the New England Nurserymen's Association, to be held at Newport, R. I., has been changed from August 8 to August

14. The host will be Boulevard Nurseries, and an old-fashioned Rhode Island clambake is planned.

## MAIL-ORDER PROGRAM.

Experts in advertising will present the speakers' program for the annual convention of the National Mail Order Nurserymen's Association, August 6 and 7, at the Hotel La Salle, Chicago.

Edward N. Mayer, Jr., president of James Gray, Inc., New York, a direct-mail sales firm, will discuss "Direct-Mail Advertising or Selling as a Supplement to the Catalog." Lynn Gratiot, of R. R. Donnelly & Sons Co., Chicago, who does catalog work for several large nurseries, will tell "How to Lay Out a Catalog that Sells."

Bernice Fitzgibbons, advertising manager for Gimbels department store, New York, will give her views in a talk entitled "An Advertising Woman Looks at Nursery Selling." Nurserymen heard much of Miss Fitzgibbons last winter when she ran a full-page advertisement in New York newspapers to sell cow manure to home gardeners. A representative from the Meredith Publishing Co., Des Moines, Ia., will reveal "What Garden Magazines Are Planning for the Future for the Nursery Industry." Lawrence Sizer, vice-president

## WEST VIRGINIA MEETING.

The summer meeting of the West Virginia Nurserymen's Association will be held August 7 and 8 at Oglebay park, Wheeling, according to F. Waldo Craig, secretary-treasurer. The educational part of the program will be concerned with pruning, with discussions on the subject by Dr. L. C. Chadwick, professor of horticulture at Ohio State University, Columbus, and Prof. R. S. Marsh, head of the department of horticulture at West Virginia University, Morgantown. Demonstrations of pruning methods will be given also, using plants growing at Oglebay park and in the nursery of John Dieckmann & Sons, Elm Grove.

By arriving at the park a day or two early conventioners may enjoy the annual show of the West Virginia Gladiolus Society, which is being held August 5 and 6.

## VIRGINIA GARDEN COURSE.

Open to anyone interested in gardening will be the garden lovers' short course at Virginia Polytechnic

## SOUTHERN NURSERYMEN'S CONVENTION

August 13 - 14 - 15

Plan to attend  
this outstanding meeting  
and show.

- Commercial Exhibits
- Trade Exhibits
- Educational Exhibits
- Interesting Speakers

Southern hospitality  
awaits you at the birth-  
place of the nation.

Make your reservations now  
at  
**Hotel John Marshall**  
Richmond, Virginia

## CHINESE CHESTNUT TREES

C. mollissima.

America's largest and most dependable source of hardy northern-grown stock for lining out or finished trees for retail sales. Prices on request.

## THE GOLD CHESTNUT NURSERY

Cowen, West Virginia

## PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

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Broad-leaved Evergreens and a general line of quality ornamentals.

THE TANKARD NURSERIES  
EXMORE, VA.

## WE SPECIALIZE IN LINING-OUT STOCK

Our thanks to all our customers for the business you favored us with the past season. Sorry we had to disappoint some of our friends on late orders.

We look forward to serving you again this coming fall and spring.

### HESS' NURSERIES

MOUNTAIN VIEW, NEW JERSEY

Institute, Blacksburg, August 6 to 10. Nine lectures will develop the theme "Plant Virginia." Among the speakers will be Mrs. Annabelle Grimes, of Waynesboro Nurseries, Inc., Waynesboro, Va., who will tell about "The Plant Virginia Movement." Other speakers on the program will be members of the faculty at the college and visiting speakers from West Virginia University and the University of North Carolina.

The program will also include a flower show staged by the Blacksburg council of garden clubs at the city armory, a tour of Blacksburg gardens and a tour of the horticultural arboretum at the college. The department of horticulture will stage an exhibit of landscape sketches and plans. Special tours to spots of interest on the campus, as well as to Mountain lake, Rocky Nob or the Blue Ridge parkway, will be arranged for interested groups.

#### PENNSYLVANIA OUTING.

The summer meeting of the Pennsylvania Nurserymen's Association, to be held August 9 at West Grove, Pa., has been planned as an all-day outing.

The host nurseries, the Conard-Pyle Co. and Paramount Nurseries,

## WANTED ASSISTANT GENERAL MANAGER

by a leading mail order nursery

A wonderful opportunity for the right man!

We are looking for someone with good experience in the mail order nursery business. He must have merchandising ability . . . he must be experienced in office management, inventory control and general business records . . . he must be familiar with catalog preparation . . . and mail order advertising. In addition, he must be willing to handle a large amount of detail and correspondence.

We are an extremely well known but small mail order nursery in the east doing a huge volume of business. We offer big opportunity because we are enjoying enormous growth. We offer the right man an eventual share of ownership.

Please supply complete facts about yourself with your reply. State age, experience, background, income requirements. All replies held in strictest confidence. Our staff knows about this ad.

Box 813, care of American Nurseryman.

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<b>ROSEBUSHES</b>	<b>ARP</b>	<b>PECAN TREES</b>
For 1951-52		WALNUT and
Licensed Grower,	<b>NURSERY CO.</b>	PERSIMMON
All-America	<b>P. O. Box 867-D TYLER, TEXAS</b>	Wholesale Catalog.
Introductions.	<b>TIMELY DELIVERIES FROM REFRIGERATED STORAGE.</b>	

## SPECIALTIES for 1951-52

### Shade and Ornamental Trees

Columnar Norway Maple  
Norway Maple  
Sugar Maple  
Silver Maple  
Thornless Honey Locust  
Green Ash  
Lombardy and Bolleana Poplar  
London Plane

European Mountain Ash  
Pin Oak  
Purple Lily Magnolia  
Red-leaved Japanese Maple  
Ginkgo  
Sweet Gum  
Willow

### Shrubs

Truehedge Columnberry  
Japanese Barberry  
Flowering Quince  
Deutzia gracilis  
Forsythia spectabilis  
Hypericum kalmianum  
Honeysuckle

Cole's Glorious Mock Orange  
Rhamnus frangula  
Spiraea Anthony Waterer  
Spiraea macrothyrsa  
Cornelberry  
Privet  
Lilac

### Evergreens

Goldenplume Cypress  
Dwarf Golden Cypress  
Silver Blue Pfizer  
Hetzel Juniper  
Andorra Juniper  
Pyramidal Arborvitae  
Dark Green American Arborvitae

Woodward Globe Arborvitae  
Taxus in variety  
Euonymus vegeta  
Ilex cr. convexa  
Ilex cr. latifolia  
Mahonia

### Lining-out Stock

Thousands of fine liners for fall or spring delivery. Write for our Fall, 1951, Trade List for a complete listing.

## THE COLE NURSERY CO.

Established 1881

"Everything That's Good and Hardy"

PAINESVILLE, OHIO

## WANTED for CHRISTMAS in TRUCK or CAR LOADS

Cut Blue Spruce, 6 to 10 ft.

Cut Scotch or Austrian Pine, 4 to 10 ft.

Cut Norway Spruce, 5 to 10 ft.

These trees must be well shaped, full and symmetrical. Tell us how many you can supply and quote price.

## SEGELIN'S FLOWER & GARDEN SHOPS

Carnegie Ave. at East 90th St. Cleveland 6, Ohio

Phone: SWEETBRIAR 1-8900

## PEONIES IRIS AND HEMEROCALLIS

Send for our special bulletin, listing new prices on the above.

Our general list of Nursery Stock ready September 1.

OUR 76th YEAR

SARCOXIE NURSERIES PEONY FIELDS

WILD BROS. NURSERY CO.

SARCOXIE

MISSOURI

will be open to visitors beginning at 10 a. m. They will provide lunch at about 1 p. m. in the grove adjoining the Conard-Pyle sales grounds, almost directly across the highway from the Paramount Nurseries' office, after which visitors may spend the afternoon inspecting the rose fields and storage and packing buildings of the two nurseries. An exhibit of cut blooms of rose varieties has been planned.

Dinner will be served at 6 p. m. Those who plan to remain overnight should write to Sidney Hutton, of the Conard-Pyle Co., or make reservations directly with hotels at Oxford or Philadelphia, Pa., or Wilmington, Del.

### NEW YORK SUMMER MEET.

Headquarters for the summer meeting of the New York State Nurserymen's Association August 9 and 10 will be the Rogers Smith hotel, White Plains. A directors' meeting will be held at the hotel at 8 a. m. on the first morning of the convention, and an hour later registration will begin at the Boyce Thompson Institute, Yonkers. At 9:30 a business session will be held in the institute's auditorium, followed by a talk by P. W. Zimmerman, of the institute's staff, on "The Effect of Air Pollution on Plants," in the plots immediately outside the auditorium.

The nurserymen will then divide into four groups for conducted tours of the laboratories and greenhouses, where staff members will discuss "Rooting of Cuttings," "Development of Herbicides," "Reducing Losses in Transplanting Caused by Excessive Transportation" and "Use of Radioactive Materials in Tracing the Performance of Fungicides on Plants." In addition to fundamental research, the institute also conducts experiments on practical problems, and these will be open for inspection. Members of the staff will also be available to confer with interested visitors on new varieties, breeding, stratification and other topics.

Following luncheon at Hudson River Country Club, which adjoins the institute, nurserymen will travel by car to Dobbs Ferry to inspect House Beautiful's "pace setter house." Later in the afternoon a reception will be held on the outdoor terrace designed by Thomas Church at the home of Elizabeth Gordon, editor of House Beautiful. The dinner hour and evening will be free, with guides available to show plantings at two well known department stores, B. Altman, at White



# B & A

## "BEST IN THE LAND"

**DREAM GIRL** (Plant Patent No. 643). The truly everblooming, spicy, fragrant, hardy climbing rose. See your dealer or write us directly for attractive prices.

### HARDY AZALEAS

### HYBRID RHODODENDRONS

### BROAD-LEAVED EVERGREENS in Variety

### PERENNIALS, Field-grown and Pot-grown

### ROSES, New and Old

### TAXUS in Variety

Quotations on request.

## BOBBINK & ATKINS

588 Paterson Avenue

East Rutherford, N. J.

Plains, and Lord & Taylor, at Eastchester.

At 9 o'clock the next morning nurserymen will leave Roger Smith hotel for Pound Ridge Nurseries, Pound Ridge, where extensive machinery, tool and equipment demonstrations will be held. Following luncheon at the nursery, a tour is planned of Rosedale Nurseries, East View, from which visitors may also go on to the Raven Rock Nurseries and Green Valley Nursery. An evening steak roast will be held at Rosedale Nurseries.

The program is open to all nurserymen and their families, and, should the ladies prefer to shop at White Plains rather than attend any particular session, transportation will be arranged for them to the next meeting place. On the committee responsible for making arrangements at White Plains are Louis Weinstein, of Pound Ridge Nurseries; William Jackson, of Lewis & Valentine Landscape Corp. and Howard C. Taylor, of Rosedale Nurseries.

### NORTH CAROLINA MEETING.

The summer meeting of the North Carolina Association of Nurserymen will be held August 13 to 15 at Hotel John Marshall, Richmond, Va.,

## SCOTCH PINE SEEDLINGS

For growing Christmas Trees.  
Best European Seed Sources for Color.

We invite you to see them under growing conditions. Inspect tops and roots of sample trees dug for you.

Other Spruce and Pine Seedlings and Transplants.

## MATTHEWS NURSERY

Harbor Springs, Mich.

Telephone 1402

**Boyd**  
NURSERY COMPANY

### FOR FALL DELIVERY 1951

Our Specials in Lining-out Stock Include:  
Pink-flowering Dogwood    Evergreens    Hedge Plants  
Flowering Shrubs  
Shade Trees and Vines  
Inc., McMinnville, Tenn.

Trade list mailed  
on request.

# TAXUS

Our Taxus are especially nice this season; compact, dark green and three times transplanted. Varieties include: **Cuspidata**, **Capitata**, **Hatfieldi**, **Hicksi**, **Browni** and **Repandens**.

We have an outstanding collection of **Ornamental Plants**, **Shrubs**, **Flowering Trees** and **Shade Trees**.

**W. A. NATORP CO.**  
**CINCINNATI 29, OHIO**

Visit our nurseries when in Cincinnati

## PEONIES

### FOR EARLY FALL PLANTING

For Cut Flowers  
For Garden and Landscape Plantings  
For Show Flowers  
Or Just to Color

Peonies are a specialty with us, and we are growing them in quantity in a wide assortment of varieties, for a wide assortment of purposes. We will be digging in September from an unusually good block of 3-year-olds. Write for our price list, which will offer close to 250 varieties.

Wholesale Growers of a general assortment of  
ornamentals for the best landscape plantings.

**BRYANT'S NURSERIES**

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**LAKE'S**  
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Shenandoah, Iowa.

Wholesale growers of  
a fine assortment of  
**GENERAL NURSERY STOCK**

Your inquiries will be appreciated.



Wholesale growers of the best  
Ornamental Evergreens  
Deciduous Trees  
Shrubs and Roses

Write for our current trade list.  
**THE KALLAY BROTHERS CO.**  
Painesville, Ohio

## NORTHERN-GROWN STOCK

Evergreen Liners  
Specimen Evergreens  
Ornamental Shrubs  
Fruit Trees  
Plum Seedlings  
(*Prunus Americana*)  
Philadelphus Minnesota Snowflake  
(Plant Patent No. 538).  
Send for list.

**J. V. BAILEY NURSERIES**  
ST. PAUL 6, MINNESOTA

## HENRY NURSERIES

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**HENRY, ILL.**

Growers of General Nursery Stock.  
Visitors Welcome.

in conjunction with the joint annual convention of the Virginia Nurserymen's Association and the Southern Nurserymen's Association.

### SOUTHERN CONVENTION.

Hotel John Marshall, at Richmond, Va., will be headquarters for the annual convention of the Southern Nurserymen's Association, August 13 to 15. After registration in the hotel lobby, which will begin at 10 a. m. Monday, August 13, nurserymen may either tour local nurseries, join friends in the hospitality room provided by the hotel management or enjoy the educational and commercial exhibits in the lobby. The Virginia Nurserymen's Association and the North Carolina Association of Nurserymen plan to meet in conjunction with the Southern group, and the city of Richmond expects to act as host to more than 300 nurserymen.

At noon there will be a pre-convention luncheon and business meetings of the Virginia and North Carolina associations which all nurserymen are invited to attend. In the evening will be held an informal party, beginning with a cocktail hour and including entertainment and a buffet dinner for nurserymen and their guests. At this party conventioners will be guests of the Virginia association, and John Stuart Battle, governor of Virginia, will make a welcoming address.

Business and discussion sessions will begin Tuesday morning, emphasizing the theme "Plant America—Plant the South." The business meeting will include an invocation by Prof. A. G. Smith, Jr., of Virginia Polytechnic Institute, Blacksburg, Va.; a welcome to Virginia by Parke C. Brinkley, Virginia commissioner of agriculture, and a speech by President C. Elwood Stephens.

A. H. Bowers, agronomist, Swift & Co., Chicago, Ill., will then speak on "Soil Science in the Garden," and at luncheon the speaker will be Dr. Raymond B. Pinchbeck, dean at Richmond College. The ladies will enjoy a luncheon and style show.

The afternoon will be spent touring Richmond on a special sight-seeing trip which should be especially interesting to nurserymen, for it will include an inspection of the landscaped grounds of modern factories, the gardens of private homes and many historic architectural structures. A cocktail hour in the evening will be followed by a banquet in the Virginia room. Featured will be

# W BLUE LABEL DAHLIAS W

## AGAIN

We offer the largest and most complete line of standard garden, cut flower and exhibition dahlias in the world.

- Assorted Dahlias for Advertising and Bargain Offers.
- Dahlias by Color for Jobbers' Trade.
- Wrapped Dahlias for Counter Trade.
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Make your reservation now for 1952 delivery. No deposit required. Our new Bulletin, DIG & DUNG, with complete list of varieties and net growers' prices will be ready for mailing between August 1 and August 15. If you do not receive your copy by the latter date, write for it at once.

Remember we are the world's largest dahlia growers and have a reputation of over a quarter of a century of square dealing to guarantee your complete satisfaction.

**WAYLAND DAHLIA GARDENS** Box A. N. **WAYLAND, MICH.**

a talk by John Temple Graves, editor, of Birmingham, Ala.; dancing, and other entertainment.

Howard P. Quadland, director of public information for the American Association of Nurserymen, the first speaker on the program Wednesday morning, will discuss "Plant America — the Nurseryman's Opportunity." Following a discussion period, Dr. Wesley P. Judkins, head of the department of horticulture at Virginia Polytechnic Institute, will speak on "The Place of Education and Research in the 'Plant America' Program." John B. Wight, of Cairo, Ga., new president of the A. A. N., will talk on "The A. A. N. Meets Trouble and Crisis with Positive Action."

Although the convention will adjourn early Wednesday afternoon, a post-convention trip to Colonial Williamsburg and the peninsula area has been planned, according to A. J. Shoosmith, of Southside Nurseries, Richmond, Va., program chairman. Conventions will leave Richmond by chartered busses via the Colonial parkway and stop first at Yorktown. They will be at Williamsburg in time for dining in the evening at a famed eating place and will spend the remainder of the evening at Matoaka Lake amphitheater, outside the city,

## PYRAMID ARBORVITAE

Extra-choice Specimens

Our Arborvitae, both Pyramid and Woodwardi Globe, are in perfect condition. Every plant is a specimen. Ilgenfritz grading and digging methods assure you of the best stock in fine condition.

Let us quote you on all you will need both this Fall and Spring, 1952.

Fine line of deciduous fruit trees and shrubs, roses, etc. Get in touch with us early to save money and be sure of the best.

## ILGENFRITZ NURSERIES, Inc.

The Monroe Nursery

Monroe, Michigan

## Hardy Northern-grown PERENNIALS

Strong roots grown on the Shores of Lake Superior

**NORTH POLE NURSERY**  
CORNUCOPIA, WIS.

## ORNAMENTAL EVERGREENS

Liners and B & B

## BROWN DEER NURSERIES

P. O. Box 1747  
Milwaukee 1, Wis.



viewing an outdoor pageant, "The Common Glory," which is in its fifth season.

Wednesday night they will find lodging in the peninsula area, and the following day will be spent sight-seeing at Williamsburg, where the past has been captured in old gardens dating back to the colonial era. The tour will also include a visit to Jamestown before returning to Richmond.

#### MICHIGAN PLANS.

Host at the summer meeting of the Michigan Association of Nurserymen, to be held August 16 and 17 at the Harris hotel, Kalamazoo, will be the newly organized Kalamazoo Valley Landscape and Nursery Association. The board of governors will meet at 11 o'clock Thursday morning, August 16.

The afternoon will be spent touring the new factory of the Upjohn Co., a beautifully landscaped industrial building. Those planning to make the tour will leave the hotel at 2:15 p. m. in their own cars and return to the hotel at 5 p. m. The tour will be conducted by Miss Carol Lawrence, landscape architect, who has charge of the grounds of the Upjohn Co.

A banquet will be held in the evening, with William (Mac) McCandles, of McCandles Landscape Service & Farm Nursery, Richmond, chairman of the entertainment committee, acting as master of ceremonies of the show. He was an Irish tenor with Wayne King and his orchestra in "The Manpower Carnival" during World War II.

Discussion sessions will begin at 9:30 Friday morning, with President Harold E. Hunziker, of M. J. Hunziker & Sons, Niles, presiding. The first discussion on the program will be a debate, with audience participation, on the question, "Does Cash-and-carry Business Fit in with a Landscape Nursery Business?" On the negative will be Ernest Durrant, of Durrant Nursery, Grand Rapids, and Alex Hunziker, of M. J. Hunziker & Sons, Niles, and on the affirmative, Joseph J. Poleo, of the Detroit branch of Ilgenfritz Nurseries, Inc., and Bernard Ward, of Ward's Flower Ranch, East Lansing. Monitor and scorekeeper will be Prof. Harold Davidson, of Michigan State College.

Later in the morning, N. I. W. Krick, owner and operator of the Cottage Gardens, Lansing, will discuss "The Future of the Nursery Business in Michigan," and Harold Jacobson, vice-president of the American National bank, Kalamazoo, will

## SERVICE AND QUALITY

over 100 years' Experience

EVERGREENS • FRUIT TREES

SHRUBS • ROSES

Grown under the most modern and approved methods. Better stock cannot be grown anywhere. Our experience and reputation assure you of the best. Let us figure on your needs. We can help you keep your customers satisfied.

## ILGENFRITZ NURSERIES, INC.

THE MONROE NURSERY • MONROE, MICH.

## HOBBS

Fall, 1951 - Spring, 1952.

ThurLOW Weeping Willow,  
Lombardy Poplar, Silver  
Maple, Norway Maple and  
B.D.F. Crab.

\*  
Evergreens, Shrubs,  
Peonies, Apple, Peach, Pear,  
Plum, Cherry and Apricot.  
100,000 1-yr. Montmorency.

\*  
Oldest Nursery in Indiana.  
Established 1875.

C. M. HOBBS & SONS, Inc.  
BRIDGEPORT, IND.



PEONIES IRISES  
DAY LILIES POPPIES  
ALL YOUNG-GROWN STOCK  
PROMPT SERVICE  
Send for Wholesale Prices.  
C. F. WASSENBERG  
4 1/2 Miles East on U.S. 30  
VAN WERT, OHIO  
"The Peony City"

talk on "Financing a Business—New or Established." Charles B. Greening, of Greening Nursery Co., Monroe, will report on the convention at New Orleans of the American Association of Nurserymen. A business meeting will follow.

#### MEETING OF SOCIETY FOR HORTICULTURAL SCIENCE.

The annual meeting of the great plains region of the American Society for Horticultural Science, to be

**NO-DRI** PROTECTIVE  
WAX EMULSION  
Spray, paint or dip transplanted trees and shrubs  
to reduce loss of moisture and winter wind burn.  
55-gal. drum....\$63.25 5-gal. drum....\$7.50  
30-gal. drum.... 36.00 1-gal. can ..... 3.00

**RABBIT REPELLENT**  
Protect young nursery stock. Nonpoisonous. Applied  
by spraying or painting.  
55-gal. drum....\$74.25 5-gal. drum....\$10.00  
30-gal. drum.... 54.00 1-gal. can ..... 3.00

**BORER REPELLENT**  
Dogwood and many other ornamental trees should  
be protected from borer damage. Nonpoisonous.  
Simply brush it on as directed.  
5-gal. drum....\$11.00  
30-gal. drum....\$63.00 1-gal. can ..... 3.00

**C. P. O. INSECTICIDE**  
SOAP SPREADER  
Used extensively for twenty years to control scale  
insects, red spiders, lace bugs, aphids on ornamental  
nursery stock. Safe for summer use.  
55-gal. drum....\$77.00 5-gal. drum....\$9.25  
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All prices F.O.B. Philadelphia, Pa.

**CRYSTAL SOAP & CHEM. CO., Inc.**  
6300 State Road, Philadelphia 35, Pa., Dept. AK.

**BURTON'S**  
HEADQUARTERS FOR  
EVERGREEN GRAFTS, TRANSPLANTED  
EVERGREENS, SHRUB LINERS.  
Write!  
RARE ITEMS YOU DO NOT  
FIND IN MOST LISTS!  
**HILLTOP NURSERIES**  
CASHTOWN, OHIO

held August 6 to 8 at Iowa State College, Ames, will be in large part devoted to tours of the college. One will cover the horticulture farm, showing propagation, breeding and culture of nursery stock; another will take in the regional plant introduction gardens and still another the horticultural grounds.

There will also be opportunity to visit the world's largest crab apple arboretum at Waterworks park, and the Meredith Publishing Co., both at Des Moines.

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Pinocchio  
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### Climbers

Climbing Peace

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McGredy's Yellow  
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Rouge Mallerin  
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Floradora  
Red Ripples

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## CHRISTMAS TREE GROUP.

For the sixth summer meeting of the Pennsylvania Christmas Tree Growers' Association, members will meet at the parking area near the southern entrance to Cook Forest State park at 9:30 a. m. Friday, August 24. The morning will be spent seeing the forest, which is located in parts of three counties, and the afternoon in visiting the Christmas tree plantations of Frank T. Murphey, at Garland.

Saturday morning the group will assemble at the Grange hall at Akeley and from there will visit the Christmas tree plantations and ornamental plantings of John H. Stewart. Noon dinner will be served back at the Grange hall, followed by a formal meeting.

## SHADE TREE CONFERENCE.

A meeting of the National Arborist Association in the morning, and a meeting of the public utility arborists in the evening, August 27, will precede the official opening of the twenty-seventh National Shade Tree Conference, Tuesday afternoon, August 28, at the Netherland Plaza hotel, Cincinnati, O.

Max J. Palm, Jr., president of the

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Cincinnati board of park commissioners, will give the welcoming address. Talks will be made by Leonard E. Read, president of the Foundation for Economic Education at Irvington-on-Hudson, N. Y., on "Today's Economic Outlook," and by Prof. M. E. Bottomley, of the department of landscape architecture at the University of Cincinnati on "The City of Tomorrow." The afternoon will be spent at Eden park, where commercial demonstrations and a tree-climbing contest will take place, and in the evening busses will leave at 6:30 for Coney Island for dinner and amusements.

The first business session will begin Wednesday morning with reports. These will be followed by a talk on "Foliar Application of Nutrients," by Dr. P. P. Pirone, of Brooklyn Botanical Garden, New York, and one on "The Importance of Chlorophyll for Tree Growth," by Dr. H. C. Eyster, of Charles F. Kettering Foundation, Antioch College, Yellow Springs, O. Conventioners will spend the afternoon at Mount Airy forest, where luncheon will be served at Oak Ridge lodge. Tours of the forest and of Spring Grove cemetery will follow.

In the evening will be a dinner-meeting for the National Arborist Association and a discussion meeting for city foresters, park superintendents and others interested in public area tree management problems, with F. E. Karpick, of the bureau of forestry at Buffalo, N. Y., as discussion leader.

At the discussion session Thursday morning, at which vice-president of the conference, Noel B. Wysong will act as chairman, Oscar F. Warner, landscape forester at Waterbury, Conn., will lead a symposium on "The Prevention of Storm Damage by Proper Pruning, Bracing and Selection of Transplanted Species." Others to enter into the discussion will be William Luckner, Jr., Stepney, Conn., and Albert W. Meserve, Danbury, Conn. T. T. Janosko, of Stratford, Conn., will talk on "The Elm Trees of Stratford, Conn.," and George D. Blair, of Forestry Consulting Services, Jackson, Mich., will discuss "Public Utility Arboricultural Responsibilities."

Following a business meeting Thursday afternoon, F. L. Parr, of Parr & Hanson, Inc., Hicksville, N. Y., will discuss "How I Operate a Small Tree and Landscape Business." Dr. R. B. Neiswander, of the department of entomology at Ohio agricultural experiment station, Wooster, O., will speak on the topic

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"Some Shade Tree Insect Pests in the Midwest and Their Control." A plant clinic discussion will be led by Dr. J. C. Carter, Illinois Natural History Survey, Urbana. In the evening will be the annual banquet, with entertainment and dancing.

Friday morning Roger F. Sohner, of Sohner Tree Service, San Anselmo, Calif., will tell of "The Ramblings of a California Arborist," and Jake Gerling, of the department of parks at Rochester, N. Y., will talk on "Small Trees." "Factors Involved in Injury by Mist Blower DDT Formulations" will be the topic dis-

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25 to 100 bu.....	3.00

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cussed by Dr. John G. Matthyse and Dan Clower, both of the department of entomology at Cornell University, Ithaca, N. Y.

Conference features planned especially for the ladies begin Tuesday with a luncheon at the Skyline room of the Terrace Plaza hotel, at which





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a style show will be staged by the H. & S. Pague Co., Cincinnati. On Wednesday will be featured a visit to the zoological gardens, luncheon at the dairy bar at the gardens, a tour of Rookwood Pottery and a tour of Krohn conservatory. Thursday morning may be spent at Taft Museum, with luncheon at the Cincinnati Club, where a demonstration of flower arrangement will be given by the Allied Florists of Cincinnati. Friday morning the ladies may visit Ruth Lyon's WLW radio program at Crosley Square Studios, and arrangements will be made for those wishing to visit the Cincinnati Art Museum afterward.

### CANADIAN SHORT COURSE.

The fourth annual short course sponsored by the Canadian Association of Nurserymen will be held August 30 and 31. The first day will be devoted to a program of speakers and will be presented at Ontario Agricultural College, Guelph, Ont., while the second day will be given to tours of Woodland Nurseries, Cookeville, and Sheridan Nurseries, Ltd., Sheridan. A committee headed by J. V. Stenson, of Sheridan Nurseries, Ltd., has arranged the program in cooperation with Dr. J. S. Shoemaker, head of the department of horticulture at the college.

Five lectures will be given on the opening day, two of them by Joseph Abrahamson, of Mount Arbor Nurseries, Shenandoah, Ia. One will be on merchandising and public relations and the other on laborsaving equipment. Dr. Kenneth Stewart will discuss control of Dutch elm disease, pine-shoot moth and juniper scale; Prof. E. W. Franklin will discuss storage, and Professors Richard, Goodwin-Wilson and Bryden will discuss soil management.

In the evening there will be an open discussion of nursery problems, "Stump the Experts," and the experts will be W. A. Hogle, chairman; Harry Endean, Norman Scott, Frank

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ORNAMENTAL TREES  
and SHRUBS**  
Fruit Trees and Berries  
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Complete Selection  
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Flowering Shrubs  
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Karl Rosenfield—crimson.  
Mons. Martin Cahuzac—darkest red.  
Longfellow—bright red.  
Divisions, \$5.00 per 10; \$40.00 per 100;  
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Doubles, Japs, Singles. These give a complete new season of bloom, starting 10 days before the common peonies.

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MENTOR,  
OHIO

Wayside



Gardens

Fidler, Mr. Abrahamson, Mr. Rogers and Professor Goodwin-Wilson.

The Canadian Association of Nurserymen is planning to have published a series of twelve nontechnical articles in a representative group of daily and weekly newspapers and business papers throughout Canada as a public relations gesture. The articles are intended to be interesting and instructive to the average homeowner or average gardener.

#### OREGON DATES.

The annual fall meeting of the Oregon Association of Nurserymen has been set for September 18 and 19 at the Pompeian room of the Congress hotel, Portland, according to James Doty, secretary.

#### TEXAS ROSE FESTIVAL.

Program plans have been completed for the fourteenth annual Texas rose festival to be held at Tyler. A quarter of a million persons are expected to attend the 3-day festival, which will be opened by the governor at 11 a. m. Friday, October 5, at the Mayfair Club on the fairgrounds. Beginning at that time, too, will be the rose field tours, composed of sight-seeing caravans taking visitors into some of the hundreds of fields of roses in bloom outside Tyler.

Friday noon the distinguished guests' luncheons will be held, for the ladies in the Women's building and for the men at the American Legion building. At 7:30 that evening the rose queen's coronation will be held at Municipal Auditorium, at which Catherine Roberts, a junior at the University of Texas, will be crowned. One of the highlights of the festival, the crowning will take place amid medieval backdrops and flowers, and the queen will be attended by duchesses from states throughout the country. A queen's tea will be held Friday afternoon at historic LeGrand home, and a queen's ball will follow the coronation for invited guests.

A 2-mile-long rose parade will form at West Front street at 10 a. m. Saturday and will proceed through decorated streets to Rose stadium, where seats will be provided for spectators. The procession, made up of rose-decorated floats designed by Emil Robin of San Antonio, to bear the queen and her court, of numerous bands, of drill teams and of celebrities, will end in a display at the stadium. Rose show field tours will be held throughout the day, from 11 a. m. to 10 p. m.

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### *Ophiopogon Japonicus*

Fine for borders, sun or shade.

250 plants	.....	\$ 5.00
500 plants	.....	8.00
1000 plants	.....	15.00

### *Fig, Celestial (Celeste)*

	Each		Each
18 to 24 ins. ....	\$0.20	4 to 5 ft. ....	\$0.50
2 to 3 ft. ....	.30	5 to 6 ft. ....	.60
3 to 4 ft. ....	.40		

*Special discount on quantity lots.*

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NOUVELLE ICONOGRAFIE DES CAMELLIAS

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At 2 in the afternoon the Tyler Junior College Apaches will compete in a football game at Rose stadium. Fiesta night, beginning at 7:30 Saturday evening in the open-air amphitheater at Bergfeld park, will offer orchestra music and free entertainment by professional performers. The Rose ball will begin at the American Legion building at 10 o'clock.

On Sunday the rose show and rose field tours will continue. At 11 a. m. special rose church services will be held, and at 5 p. m. rose vespers will begin at Municipal Auditorium, with a choir made up of vocalists from Tyler churches and a

speaker selected by the Tyler Ministerial Alliance.

#### FLORIDA TRADE FAIR.

The Florida Association of Nurserymen will hold its annual trade fair October 7 and 8 at the Haven hotel, Winter Haven. As is the custom, the Florida State Florists' Association will hold a design school concurrently.

For their next annual convention, to be held May 25 to 27, 1952, the florists and nurserymen have chosen Miami as the convention city. A hotel has not yet been selected, but it will probably be the Biscayne Ter-

race, according to John E. Florence, secretary of the florists' association.

#### PARK EXECUTIVES PLAN.

Dates for the annual convention of the American Institute of Park Executives, to be held this year at Miami, Fla., are November 12 to 16, according to Weldon B. Wade, executive secretary.

#### SEEDSMEN ELECT.

The sixty-eighth annual convention of the American Seed Trade Association was held at Cincinnati, O., June 18 to 21. Newly elected officers are president, Stephen Beale, Ferry-Morse Seed Co., Detroit, Mich.; first vice-president, Max Scarff, W. N. Scarff's Sons, New Carlisle, O.; second vice-president, H. W. Walcott, Taylor-Walcott Co., San Francisco, Calif. The retiring president is Charles Ross, Louisville, Ky. The executive secretary is William Heckendorn, Chicago.

#### ANNUAL LILY SHOW.

Over 1,000 entries from all over the United States and Canada were displayed at the fourth annual lily show of the North American Lily Society, June 27 and 28, at Essex House, New York, under the auspices of the Horticultural Society of New York. Among the awards made at the show was the directors' cup, which went to the United States Department of Agriculture, Beltsville, Md., for a new yellow regal hybrid lily.

Winners of the silver certificates of the Massachusetts Horticultural Society were Dr. Robert D. Rapleye, instructor of botany at the University of Maryland, College Park, and William Crosby Horsford, nurseryman at Charlotte, Vt. The trophy of the Horticultural Society of New York was given to Totty's, Inc., of Madison, N. J. The silver certificate of that society went to Henry Field Seed & Nursery Co., Shenandoah, Ia.

A special award of merit presented by the North American Lily Society was given to Ralph M. Warner, nurseryman at Milford, Conn., for a seedling of a type of Camellia japonica. The society, at its annual meeting at the show, elected Dr. Samuel L. Emsweller, principal horticulturist at the U. S. D. A. plant industry station, Beltsville, Md., to serve as its new president. Dr. L. H. MacDaniels, of Cornell University, Ithaca, N. Y., was elected to honorary life membership in the society.

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3 to 6-ft. specimens, well sheared and root-pruned.

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### FLOWERING SHRUBS

Extra-heavy, 2-year.

### GRAFTED JUNIPERS

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Azaleas—Camellias—Gardenias—Landscaping  
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Let us bud your special varieties on contract.  
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specialties.

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# Lake County Activities

By Marie Brandstaetter, Secretary

## LAKE COUNTY ELECTS.

Thirty members and guests attended the annual meeting for the election of officers of the Lake County Nurserymen's Association, held June 18 at the Parmly hotel, Painesville, O. The new officers are Russell Champion, of Champion Nurseries, Perry, president, and Michael P. Sebian, of M. P. Sebian Nursery, Painesville, vice-president. Marie Brandstaetter, of Wayside Gardens Co., Mentor, was reelected secretary-treasurer. The meeting was conducted by Z. P. Warner, of Z. P. Warner Nursery, Willoughby, retiring vice-president, in the absence of the retiring president, Stephen Allen, Jr., who was unable to attend because of illness in the family. Bernard Schmetzer, of Avon, was welcomed as a new member.

Following the business meeting, Dr. L. C. Chadwick, professor of horticulture at Ohio State University, discussed recent visits to meetings of the state nurserymen's associations in Alabama and Texas and described the methods of propagating magnolias, azaleas and camellias in nurseries he had visited there. He also described a trip to Florida and North Carolina, showing colored slides of fine specimens of azaleas, trees, shrubs and vines found in those states.

Dr. Chadwick told of an experiment which is being made with the quick freezing of plants. The experiment is an attempt to find out whether or not plants can be quick frozen for two or three years and then planted with any degree of success. Some plants seem to be in good condition after they are thawed out and other material is poor. Dr. Chadwick is not ready yet to release any statement as to the success of the quick freezing, for it will take some time before its effect on the growing and blooming habits of plants can be determined.

Nurserymen were reminded that during the past year the Painesville chamber of commerce honored the agricultural and nursery industries at a banquet, at which Leo L. Rummell, dean of the college of agriculture at Ohio State University, was speaker. It brought to the minds of nurserymen that theirs is the oldest and the largest industry in Lake county. One out of every seven nur-

eries in Ohio is in Lake county; 125 nurseries in this county operate the year around and eighty-eight nurseries operate part of the year. M. B.

## PAINESVILLE ROSE SHOW.

The second annual rose show of the Carlisle-Allen Co. was presented recently at its retail store at Painesville, O. Featured were displays by leading Lake county rose growers and florists, as well as flower arrangements by garden club members and amateurs. The first floor of the store was devoted to commercial displays, and the exhibits of roses created a great deal of interest among shoppers during the 3-day show.

Old favorites and new introductions in hybrid tea roses formed the major part of the exhibit, but floribundas, polyanthas and climbing roses were also shown. Two popular new roses, Happiness and Peace, were featured in the commercial displays. Members of the Lake County Nurserymen's Association who participated in the show were Elmdorf Nurseries, Paul R. Bosley Nursery, Joseph J. Kern Rose Nursery and Gerard K. Klyn, Inc. The A. Borlin Co., orchid specialists at

Painesville, featured a display showing the various stages of development of an orchid plant, from the sprouting of seeds in glass flasks on a laboratory medium to the blooming of the plants.

On the second floor floral arrangements in the novice and open classes were displayed, with entries from residents of Mentor, Painesville, Thompson and Ashtabula. A sterling silver compote for the best exhibit of the show was awarded to Mrs. Horace Wilson, whose husband is owner of Wilson Nursery & Fruit Farm, Mentor. Mrs. L. A. Ohlemacher, of Wayside Gardens Co., Mentor, who is well known for her floral arrangements and her many honors received in competition, was judge of the novice class. Judges of the open class were Mrs. J. C. Walker and Mrs. Elsie Ahrens, both of Cleveland and both certified judges of the National Council of Garden Clubs of America. M. B.

## JAP BEETLES IN OHIO.

At a special meeting of the Lake County Nurserymen's Association, Harold L. Porter, specialist in charge of insect and plant disease control for the Ohio department of agriculture, discussed plans for controlling the

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Tsuga Canadensis.		
Ilex Opaca.		
	Per 100	Per 1000
6 to 9 ins., tr. xx.	\$ 9.00	\$ 80.00
9 to 12 ins., tr. xx.	13.00	120.00
12 to 15 ins., tr. xx.	16.00	150.00

Abelia Grandiflora.		
Hydrangea Paniculata Grandiflora.		
6 to 12 ins., 1-yr., C.	7.00	65.00
12 to 18 ins., 1-yr., C.	11.00	100.00
18 to 24 ins., 2-yr., br.	15.00	....

Cornus Florida.		
		Each
2 to 3 feet, well br.	.....	\$0.20
3 to 4 feet, well br.	.....	.30
4 to 5 feet, well br.	.....	.45

### Native Shrubs and Evergreens

Tsuga Canadensis.		
	Per 100	Per 1000
3 to 6 ins., s.	\$0.75	\$ 6.00
6 to 9 ins., s.	1.50	10.00
9 to 12 ins., s.	2.50	20.00
12 to 18 ins., s.	4.00	35.00
18 to 24 ins., s.	6.00	55.00

Ilex Opaca.		
Rhododendron Maximum.		
Kalmia Latifolia.		
3 to 6 ins., s.	2.00	15.00
6 to 9 ins., s.	3.00	25.00
9 to 12 ins., s.	4.00	35.00
12 to 18 ins., s.	5.00	45.00
18 to 24 ins., s.	6.50	60.00

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Selling...

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**WISTARIA TREES**

by

**VERHALEN NURSERY CO.**

SCOTTSVILLE, TEXAS

Japanese beetle in Ohio. New outbreaks throughout the state, particularly in the newly infested area in eastern Lake county, have caused considerable concern. Because of the lack of sufficient funds to combat the beetle in all areas, the state proposes to treat regularly only the 1,200 to 1,400 acres of the Mentor area which is not yet under quarantine.

In addition, the state plans to treat regularly the heavily infested area in Lake county at North Perry and Madison-on-the-Lake, as well as certain areas at Painesville and Geneva. Other areas found to be infested will be spot treated, and, if beetles are found consistently in any particular place, it, too, will be treated regularly. At the present time about two-thirds of Mentor township are under quarantine. The state is proposing that the area north of Route 20, from the Ashtabula county line to the Painesville line, be placed under quarantine in an attempt to control the spread of the beetles.

In order to finance dusting and spraying projects in past years, the Lake County Nurserymen's Association has contributed one-third of the necessary funds, and the remaining two-thirds have been supplied by the state. Funds furnished by the association have been spent for materials, and the cost of labor has been paid by the state of Ohio. In 1950 five treatments, costing \$10,000, were made in the 3,300-acre area of Mentor and Painesville townships. The legislative appropriation for 1951 is \$38,500 for the entire state of Ohio. Although it is an increase of approximately \$10,000 over the past year, it will probably finance about the same amount of spraying and dusting as was done in the past year, because of the rising cost of materials and labor.

This year the state is asking for assistance in treating nursery property only. Foliage and soil would be treated as necessary by the state, and the individual nurseryman would be assessed only for labor and material used on his property. The nurserymen then would reimburse the association, and the funds would be turned over to the state for the purchase of more material. Because of the scarcity of DDT, it would be practically impossible for an individual nurseryman to purchase a large quantity of this material without a priority.

An estimate of the cost of foliage treating showed that one pound of DDT would be enough for an acre of plants and that one man per jeep

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TREES**In 1951.....**

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High farmer income...  
Wight's quality pecan trees...

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at attractive prices.

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ROSE NURSERY  
TYLER, TEXAS

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(Patent Applied For)

**New - Hardy - Popular**

Growing contracts now available.

**Just Good**  
Nursery Stock**CHASE NURSERY CO.**

CHASE, ALA.

could cover forty to fifty acres per day. Therefore, the cost of labor would be brought to about \$10 per day and material would cost approximately 75 cents per acre. Soil treating costs approximately \$40 per acre. In dry soil treatment the cost of material would be about \$28 and labor \$12 per acre. In wet soil treatment labor costs are about \$25 and cost of material around \$14 per acre.

A motion was made and passed by the members present at the meeting, after the matter had been thoroughly discussed, to make the Lake County Nurserymen's Association a depository for funds for Japanese beetle treatment. When such treatment is accomplished on individual nurseries by the state, the association is to send a bill to the nursery for the labor and material involved. All money collected is to be spent for the replacement of materials used. Since there was money left in the Japanese beetle fund from last year and a considerable amount of spray material on hand, it was decided that the unexpended funds and any materials left over were to be used by the state in any manner that the officials saw fit.

Treatment to prevent the spread of the Japanese beetle was first started in Mentor township in 1939 and has been continued each year since that time. The first imposition of quarantine in Lake county was made in the Painesville-Mentor area in 1941, and spread of the Japanese beetle over a large area has since been prevented by the vigilance and cooperation of nurserymen. Although various methods of attack and of applying the materials have been used, the two accepted methods of attack are mist blowing, for the immediate control of adult beetles, and soil treatment, for destroying the grubs. It has been found from past experience that ground-operated equipment produces at least as good results as airplane dusting.

M. B.

#### ARMY DEPOT CONTRACT.

Award of a contract for \$85,270 on grading, seeding and drainage correction at the Marietta transportation corps depot was recently awarded to C. E. Pontz & Son, landscape contractors, Lancaster, Pa. The contract, which covers work throughout the post area, will include planting 25,000 honeysuckles on slopes to eliminate soil erosion. More than 10,000 pounds of grass seed will be used, along with top-

## ROSES

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No. 1, **\$30.00** per 100; No. 1 1/2, **\$25.00** per 100; No. 2, **\$20.00** per 100, F.O.B. Tyler, Texas.


TERMS: 25 per cent with booking, balance C.O.D. 5 per cent discount if full amount is remitted with order.

A limited quantity of patented and nonpatented varieties in **H.T.'s, FLORIBUNDAS** and **POLYANTHAS**. Send Want List for special quotations.

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**TRACY CITY, TENN.**

soil, mulch and fertilizer to produce more than thirty acres of turf. The purpose is to prevent soil erosion and eliminate clogging of the surface drainage system throughout the depot.

In commenting on the contract Clarence E. Pontz, president of the firm, stated:

"With the world situation as it is today, I am convinced that the armed forces in our country are desirous of keeping our many hundreds of bases in the United States in top-notch condition at all times. The type of work for which we have just been awarded the contract is just as important a part of maintenance to our government as is any other maintenance on buildings or other physical equipment.

"However, I have found that these

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**Evergreens, Fruit Trees, Shade  
Trees, Roses and Lining-out Stock.**

Write for complete list.

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**ONARGA, ILL.**

contracts are often listed under various headings and titles, and the proposed contractor must look at the bid invitations closely in order to find what is actually in the bid invitation. This particular job that we were awarded came under the heading of storm sewers and drainage, and only by careful inquiry were we able to ascertain the exact type of work that it contained.

"I must also point out that this particular contract involves the laying of several hundred feet of corrugated drainage pipes, which only



formed several per cent of the cost of the contract, and all the rest will be grading, seeding and planting. If this small phase of the work is foreign to the nurseryman, he can always sublet this work to others and still retain the prime contract that was issued.

"I imagine that our armed forces have bases in every state in the Union, and I certainly urge our nurserymen and landscape men to investigate the contracts that these bases are constantly giving out, so that our nursery industry may get its fair share of this work."

### NEW PLANT PATENTS.

The following plant patents were issued recently, according to Rummeler, Rummeler & Snow, Chicago patent lawyers:

No. 1014. Azalea plant. Antonino Vaca, Pico, Calif. A new and distinct variety of azalea plant, characterized particularly by its rapid growth, early and full blooming the first year; its compactness; its large double many-petaled flowers in colors ranging from pink at the edge to a deep red at the throat on a white background, and a green tinge on the outer edge of the bud from the time it starts to bloom up to its full blooming period.

No. 1015. Rose plant. Josephine D. Brownell, Little Compton, R. I. A variety of hardy Rosa wichuraiana hybrid tea rose plant, characterized by the features of its parent variety Break o' Day, except as to the color of the petals of the flower being China rose-pink.

No. 1016. Rose plant. Percy M. Bourne, Indianapolis, Ind., assignor to Elder Bros., Inc., Indianapolis, Ind. A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty and distinguished from its parent by the deeper color of the blooms, which are brilliant carmine-red overlaid with oxblood; by the longer-lasting color of the blooms without fading or bluing; by the greater number of petals of the blooms, with the petals more reflexed at the margins and the inner petals tending to cup inward and cover the stamens and pistils in the mature flowers, and by the darker foliage with red color on the rachis and midrib.

No. 1017. Rose plant. Jean Gaujard, Feyzin, France, assignor to Jackson & Perkins Co., Newark, N. Y. A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its vigorous growth and free blooming habit; by the enlarged lemon-chrome color at the base of the petals and the suffusion of such color into the petals, particularly evidenced in the bud and half-open flower, and by the translucent effect of the rose-red color of the open blooms.

No. 1018. Rose plant. Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Co., Newark, N. Y. A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its vigorous, upright and sturdy habits of growth; by its superior hardness; by its extremely prolific blooming habit, with the buds and flowers produced singly and sometimes several on a stem, and by the rose-pink color of the flowers in all stages.

## EVERGREENS

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Abelia  
Ligustrum  
Cherry Laurel  
Ilex Crenata Convexa  
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Ilex Cornuta Femina  
Ilex Burfordi  
Ilex East Palatka  
Ilex Vomitoria  
Magnolia Grandiflora  
Magnolia Soulangeana  
Magnolia Soulangeana Nigra  
Gardenias  
Camellias

### CONIFERS

Berckmans Arborvitae  
Baker's Arborvitae  
Bonita Arborvitae  
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White Pine, Mugho and Hemlock.

Chinese Magnolia and Pink Dogwood.

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### 30,000 Potted Taxus Liners

1, 2 and 3-year.

Weigela Eva Rathke, transplants.  
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9 to 12 ins., 12 to 18 ins., 18 to 24 ins., 24 to 30 ins.

Well branched, heavy-rooted, bearing-size plants.

VARIETIES: June, Cabot, Jersey, Rancocas, Rubel, Pioneer, Concord, Stanley, Burlington, Atlantic and Weymouth.

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And other small fruits.

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## PEACH • APPLE PEAR • CHERRY

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## OBITUARY

### E. Tinsley Halter.

E. Tinsley Halter, proprietor of the Island Landscape Co., Palm Beach, Fla., died July 18 at a Palm Beach hospital.

Last year Mr. Halter served as president of the Florida Association of Nurserymen and as vice-president of the nurserymen's group of the Florida State Florists' Association and of the Southern Shade Tree Conference. Because of poor health he declined to run for president of the combined Florida florists' and nurserymen's association at its convention in May. He was planning to attend the A. A. N. convention at New Orleans when he entered the hospital.

### Claude J. Hayden, Jr.

First Lieut. Claude J. Hayden, Jr., 30, associated with his father at Athens Nursery Co., Athens, Ala., until he was recalled in March to active duty with the air force reserve, was killed July 7 in an airplane crash near Prestwick, Scotland.

Lieutenant Hayden graduated in 1942 from Alabama Polytechnic Institute, majoring in landscape architecture. Finishing ROTC training, he was assigned to the air force and volunteered for navigation training. He served with the air ferrying command and the air transport command until he left the service in December, 1945, and joined his father at the nursery. Called back into the air force, he was recently sent to England for 90-day training as part of the rotation program of the strategic air command. Lieutenant Hayden and the ten other crew members in a B-29 aerial tanker were on a navigational mission from their base at Lakenheath, England, at the time of the accident.

He is survived by his widow, Frances; a son, Jac; a daughter, Peggy; his father and mother, and one sister, Julia.

### Albert A. Kelly.

Albert A. Kelly, 83, operator of the Kelly Plant Gardens, Spokane, Wash., since 1899, died suddenly, June 23, at a hospital there. He had been a resident of the community since 1888, when he moved to Spokane from Council Bluffs, Ia., his native city.

A former state representative and chairman of the horticultural committee of the legislature, Mr. Kelly

was instrumental in setting up Washington's first horticultural code. He was also active on the agricultural committee of the Spokane chamber of commerce, as past president of the Spokane County Pioneer Society, as chairman of the Monument Society, as past president of the Spokane Society for the Hard of Hearing, as a member of the national Grange and as an officer of the Washington state Grange.

Mr. Kelly is survived by two sons, Harry X., Spokane, and Joseph H., Tacoma, Wash. There are twelve grandchildren and eight great-grandchildren.

#### Henry Weller.

Henry Weller, 57, manager of C. W. Stuart & Co., Newark, N. Y., died suddenly June 28 of a heart attack at his home at Newark.

For many years a resident of Holland, Mich., he was associated with Weller Nurseries Co., which were founded at Holland by his father. Henry Weller was the last of his family to come to this country from Boskoop, Holland, and join the company, making a total of nine of the family associated with the business. He began there in 1923 and served as landscape gardener and salesman for the firm until three years ago, when he left to accept the position as manager at C. W. Stuart & Co.

Surviving are his widow, Johanna; a son, Henry, Jr., of Newark; two daughters, Mrs. Chester Van Liere and Mrs. Merle Boes; four brothers, Peter, Jacob, Ben and Anthony, of Holland, Mich., and four grandchildren.

#### Robert Snideman.

Robert Snideman, owner of Wabash Valley Nurseries, Lafayette, Ind., died June 20 of a heart attack. He had been in the landscape nursery business in the Lafayette area for twenty-five years.

#### Mrs. Lucy Eschrich.

Mrs. Lucy Eschrich, 60, wife of Edward Eschrich, founder of Wayside Nurseries, Milwaukee, Wis., died June 25 at her home after a long illness.

Mrs. Eschrich was born in Germany and came to this country as an infant with her parents. Soon after her marriage in 1911, she and her husband opened Wayside Nurseries, and for the past forty years she assisted in its operation.

She is survived by Mr. Eschrich; a daughter, Mrs. Evelyn Heyden, of Thiensville, Wis.; a son, Raymond,

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Ambrosia Late	\$0.40	\$1.25	\$2.25	\$ 8.00
Aroma	.40	1.25	2.25	8.00
Big Joe	.40	1.25	2.25	8.00
Blakemore	.40	1.25	2.25	7.50
Catskill	.45	1.35	2.50	8.50
Dunlap	.40	1.00	2.00	7.00
Fairfax	.40	1.25	2.25	8.00
Fairland	.40	1.25	2.25	8.00
Gem (Everbearing)	.70	2.25	4.50	16.00
Massey	.40	1.00	2.00	7.00
Mastodon (Everbearing)	.70	2.25	4.50	16.00
Midland	.40	1.25	2.25	8.00
Missionary	.40	1.00	2.00	7.00
Premier	.40	1.25	2.25	8.00
Red Crop	.55	1.75	3.50	12.50
Red Star	.45	1.35	2.50	9.00
Robinson	.40	1.25	2.25	8.00
Southland	.40	1.25	2.25	8.00
Streamliner (Everbearing)	.70	2.25	4.50	16.00
Superfection (Everbearing)	.70	2.25	4.50	16.00

No extra charge is made for the package or packing. Write for special prices on large quantities.

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of Milwaukee; two sisters, Mrs. Frieda Froehlich, of Milwaukee, and Mrs. Hattie Schutz, of Glendale, Wis., and a brother, Alfred Redlich, of Milwaukee.

#### Mrs. Hodges Harrell.

Mrs. Hodges Harrell, wife of the owner of Hodges Harrell Nursery, Jacksonville, Fla., died during the first part of July.

#### Mrs. Klaas Akerboom.

Mrs. Klaas Akerboom, wife of the owner of the Akerboom Nurseries, Bridgeton, N. J., died July 10.

#### COVER ILLUSTRATION.

#### Euonymus Europaeus.

*Euonymus europaeus*, the European euonymus, is one of the outstanding species of this fine group of fruiting shrubs. This plant is quite upright in its habit of growth, especially when young, but it branches more widely with age. It can be grown as a large shrub with several branches from the base, or it may be developed as a small, single-stemmed tree, reaching a height of about twenty feet.

The generic name, euonymus, comes from an ancient Greek name, and the specific name, *europaeus*, signifies its native territory, Europe to western Asia.

The bark of the twigs and younger branches is greenish and attractive. The dark green leaves are relatively narrow and tapering and of two to three inches in length. The leaves are opposite and toothed and remain on the plant until late in the fall. The fall foliage color is not exceptional, but the purplish-green or reddish-green color is quite attractive.

The small yellowish-green flowers are hardly showy enough to be attractive. They are produced in May. The fruits, which ripen in September, are outstanding. The capsules are pinkish-red, bursting open to expose an inner orange-colored seed covering. The fruits are borne on drooping stems.

The European euonymus is hardy, easily transplanted and not particular as to soil type. The plant does well in either sun or shade. Little pruning is required to keep the plant in good condition.

*Euonymus europaeus* is used primarily as a specimen or border plant. It can be used sparingly as a narrow, upright plant for the corners or angles of buildings or for informal screens.



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**Std. and Dwarf Apple**, 1 and 2-yr.

**Std. and Dwarf Pear**, 1 and 2-yr.

**Plum**, 1 and 2-yr.

**Sweet and Sour Cherry-Quince**, 1 and 2-yr.

**Peach**, 1-yr.

**Also a good assortment of  
Shrubs, Shade Trees, Evergreens.**

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We are buyers of many items—  
Ornamentals, Roses, etc. We would be pleased to  
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DANVILLE, NEW YORK

### SWEET CHERRY

on Mazzard roots.

1' to 1 1/4-inch  
1 1/4 to 1 1/2-inch  
1 1/2 to 2 -inch

Write for list.

Let us quote on your  
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PEACH, SOUR CHERRIES,  
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## SMALL FRUIT PLANTS

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**L. J. RAMBO'S WHOLESALE NURSERIES**  
Bridgman, Michigan

Headquarters for  
**East Malling IX**  
**Dwarf Rootstock**

### VAN HOF NURSERIES

Bristol Ferry Rd.  
Portsmouth, R. I.

Two good varieties of the European euonymus are *aldenhamensis*, with brilliant pink fruits, and *intermedius*, with bright red fruits.

The plant is susceptible to aphids and scale. The aphids can be controlled by spraying with nicotine

sulphate when the pests first appear. Scale is more difficult to control. Recent research reports indicate that satisfactory control can be obtained by using a summer oil, four per cent solution, at the delayed dormant stage, followed by an application of

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Reliable  
Service

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## FRUIT TREES

Apple, 1 and 2-yr., Dwarf and Standard.

Pear, 1 and 2-yr., Dwarf and Standard.

Plum, 1 and 2-yr.

Sweet and Sour Cherry,  
1 and 2-yr.

Quince, 2-yr.

Apricot, 2-yr.

Peach, 1-yr.

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DANVILLE, N. Y.

*We specialize in  
these outstanding products*

Chipman's Canada Red, MacDonald and Valentine Rhubarb.

Minnesota Fruit Breeding Farm creations.

Bush Cherry and Plum Seedlings.

**SUMMIT NURSERIES**  
STILLWATER, MINN.

two per cent summer oil applied in mid-May. Parathion, at the rate of two and a half pounds of fifteen per cent wettable powder to 100 gallons of water, applied in late June after the young scales appear, will also prove effective.

Propagation is usually by seeds, but softwood cuttings taken in early July will root with a fairly good percentage. L. C. C.

### MEETINGS AND TOURS FOR LANDSCAPE MEN.

[Continued from page 18.]

to the gardens on either side of verandas. Azaleas, camellias, roses and lilies were imported from Europe and used with native holly, yaupon and magnolia.

About a dozen of the large plantation homes may be visited now, and he described three of them. One is Rosedown, with five acres of formal parterres flanking an avenue of 300 yards of live oaks with rows of Carrara marble statues behind these trees. Each side garden is lined with boxwood, though it is now grown out of scale.

The second plantation he described was Austerlitz, built by a wealthy mulatto in 1832 and purchased in 1886 by a white family which still owns it. Azaleas and camellias were propagated by the second owner's wife, and all were used in redoing the gardens recently.

The third garden which Mr. Gunn described was Jungle Gardens on Avery Island, for which Mr. Gunn formerly worked. The gardens were started as a private estate by the late Edward A. McIlhenny. The island contains 1,800 acres, and 350 acres in the McIlhenny estate have been improved into landscape gardens. The gardens house the McIlhenny collection of camellias, said to be the largest in America and including some introductions not yet on the market.

Jungle Gardens contains collections of birds and animals as well as plants. The Bird City Sanctuary was made first, then bamboo, wisterias, flowering trees, azaleas, iris and camellias were planted. Water has been used extensively in the landscape design.

### Educational Report.

To conclude the afternoon program, Homer K. Dodge, Landscape Service Co., Framingham, Mass., chairman of the N. L. N. A. educational committee, reported on his trip to the Pacific coast last winter, when he visited universities to talk over with educators the landscape

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(4 to 6 eyes)

### PEONIES

DOUBLES: 100 varieties

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(30 varieties)

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### 30,000 CUT-LEAF WEeping BIRCH

(Betula Laciniata on White Birch)

Well feathered, very fibrous roots

	Each per 10	Each per 100	Each per 1000
2 to 3 ft.....	\$1.35	\$1.25	\$1.05
3 to 4 ft.....	2.15	2.00	1.80
4 to 5 ft.....	2.40	2.30	2.10
5 to 6 ft.....	2.65	2.50	2.30
6 to 8 ft.....	3.00	2.90	2.70

### NEW OTTAWA FLOWERING CRABS

Amisk, pink; Arrow, purple; Geneva, dark red; Makamik, rose; Scugog, purple; Sissipuk, rose and white.

All trees well branched.

	Each per 10	Each per 100	Each per 1000
18 to 24 ins..	\$0.55	\$0.50	\$0.40
2 to 3 ft.....	.70	.65	.55
3 to 4 ft.....	.85	.80	.70
4 to 5 ft.....	1.00	.95	.85
5 to 7 ft.....	1.10	1.00	.95

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## AMERICAN NURSERYMAN

and horticulture curriculums which these schools offered. Mr. Dodge presented a complete mimeographed report for members to read at their leisure and then showed Kodachromes taken on his western trip showing both college campuses and nurseries.

On the basis of the interviews with educators and inspections of the colleges, Mr. Dodge reported for the educational committee that good training in landscape nursery work could be secured at Pennsylvania State College, Cornell University, the University of Wisconsin, Kansas State College, California Polytechnic Institute at San Dimas and Oregon State College. Their courses were balanced between design and practical work. Good courses on design could be had at Harvard University, Michigan State College, Iowa State College and the University of California at Berkeley.

Mr. Dodge said that the southern colleges had not yet been visited or studied and he hoped to complete his tour next year.

### OPEN FESTIVAL GARDENS AT LONDON PARK.

In preparation for the Festival of Britain a fun fair has been built on thirty-seven acres in Battersea park, London, and the site of the fair has been appropriately landscaped by gardens laid out in a color scheme of gold, purple and scarlet, to complement the pavilions, restaurants, theaters and other amusement houses. Landscaping was planned for every structure, even the miniature zoo for children, and many unusual and exotic types of architecture have been linked by means of skillful planting. Among the shrubs, trees and flowers which were planted for early bloom are 40,000 tulips, 17,000 pansies, 7,000 begonias and 2,500 hollyhocks.

The most outstanding single planting in the gardens is a large lawn behind the outdoor theater. A small lake, screened with a row of weeping beech and hornbeam trees, is at one end of the lawn space. The main part of the lawn is planted with davidias, large azaleas and Picea breweriana. At the end opposite the lake the ground is raised to form retaining walls around formal beds of polyantha roses, and at the foot of the walls are borders of tulips. White East Lothian stocks appear in raised beds at one side of the lawn.

Another feature planting is along the walk near the Riverside theater, where 22,000 Golden Harvest tulips blend with the yellow, white and



blue color scheme of the buildings at the fair. Thousands of begonias were grown to replace the tulips later.

All of the other plantings in the gardens serve as landscaping for the architectural structures. Around the grotto the ground has been raised in sweeping contours and planted with conifers, azaleas and other flowering plants. A green lawn, planted with rhododendrons, provides a setting for the gaily colored bar at the Wine garden. Along the main avenue, *Hosta caerulea*, *H. sieboldiana* and *H. fortunei* are planted, and in the shops lining the avenue are window boxes filled with giant polyanthus.

James Gardner, chief designer, and Russell Page, landscape architect, worked under trying conditions, for the site they planted had originally been a marshland, which was filled with rubble many years ago. Thousands of tons of topsoil had to be spread over the area, but, before that was done, more than five million tons of liquid mud was moved to the Thames for disposal. Plans had to be altered to take into account the trees already established on the grounds.

Battersea park is almost on a level with the river, and the border of trees around the main lawn area had to be replanted twice because of flooding. Landscaping often was held up, waiting for architectural structures to be completed, and opening date was only a few days away when electricians ripped up new turf in order to lay cables. Despite the many times that some areas were replanted, however, the original budget for the gardens was not exceeded.

It has not been decided what part of the festival gardens will be permanent. If the thirty-seven acres, developed through the winter and the spring, is extended to include the large lake beyond the present amusement grounds, the festival will have contributed greatly to the improvement of Battersea park.

AFTER a 5-year absence, Mr. and Mrs. Bryan Berry, owners, have reopened Brymar Gardens, 11944 South Paramount boulevard, Downey, Calif.

SHIPPED recently to the Philippine islands on the S. S. President Pierce, of American President Lines, were 1,400 special hybrid rosebushes, which Jackson & Perkins Co. of California, Pleasanton, sent to Philippines Senator Calos Tan, who is a rose fancier and collects specimens from all over the world.



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### NEW PENINSULA CHAPTER ELECTS.

At the meeting of the Peninsula chapter of the California Association of Nurserymen, held July 5 at Rickey's restaurant, Palo Alto, twenty-five members and five guests were present. It was the first meeting of the chapter since a constitution and bylaws were adopted in June. Formed from part of the old Central chapter, the new Peninsula chapter will include the area from San Francisco to Santa Cruz on the peninsula, and San Jose and Watsonville.

Clyde Stöcking, of Stöcking's Rose Nursery, San Jose, reporting for the nominating committee, presented the following slate, which was unanimously elected: President, James Wilson, Peters & Wilson Nursery, Millbrae; vice-president, Pauline A. Shaffer, of Shaffer's Tropical Gardens; Santa Cruz; secretary, Charles Burr, of California Garden Supply Co., Belmont, and treasurer, Juel Christensen, Christensen Nursery Co., Belmont. Directors are John Edwards, John E. Edwards Nursery, East Palo Alto; Frank Mettam, of Golden Gate Nursery, San Francisco; Clifford Hyde, of H. A. Hyde Co., Watsonville; William Schmidt, of Schmidt Nursery, Palo Alto, and Paul von Kempf, of Pacific Nurseries, Colma.

President Wilson called for reports from committees appointed at organizational meetings. Juel Christensen reported on the constitution. He had been advised by the executive secretary of the state association that the constitution, as adopted, concurred in general with that of the state association, except in three minor details. Those dealt with dues adjustments and honorary memberships. It was decided to alter the rules so that they would be consistent with the state constitution.

John Edwards reported that the chapter's charter would be ready for presentation to the state board of directors before the convention of the California Association of Nurserymen at Yosemite National Park in September.

Ray Hartman, of Leonard Coates Nurseries, Inc., San Jose, reported

that his committee has been considering the merits of possible meeting places. Most of the meetings will probably be held in the Palo Alto area.

President Wilson appointed a membership committee, consisting of Ernest Esch, of Esch Nursery, San Jose, chairman; Ray Hartman; John Coulter, of Coulter Nursery, San Carlos; Frank Mettam and James Clarke, of W. B. Clarke & Co., San Jose. He also appointed William Schmidt chairman of a program committee.

The Peninsula chapter will join the Central chapter for its August meeting, which is the annual picnic. W. B. B.

### REDWOOD CHAPTER.

Thirty members and guests attended the monthly meeting of the Redwood Empire chapter of the California Association of Nursery-

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men held June 11 at the Green Mill. Among the guests was Paul Doty, of Doty & Doerner, Inc., Portland, Ore.

During the business session Henry Martin, of Martin's Nursery, Sebastopol, reported on the short course held at California State Polytechnic College, San Luis Obispo. Hugh Wallace, of Birchlane Farm, San Rafael, was asked to discuss the University of California soil mix for nurseries, which was the topic covered by Philip A. Chandler, of the division of plant pathology, at the short course.

The speaker for the evening was John Alexander, of Petaluma, who came to America in 1915 from Russia, where his family farmed 6,500 acres of land. Sent to this country by his father to learn modern farming methods, Mr. Alexander went to Montana to study wheat farming. He soon decided, on the basis of the training he had had in European countries, that the type of

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farming done in Montana amounted to robbing the soil. No attempt was made to plow under straw or other humus material. Instead, fertilizing was done by the use of chemical fertilizers, which upset the soil balance and caused diseases and insects to increase. Mr. Alexander advocates organic fertilizing to maintain a proper soil balance. Fertilizers as we know them are stimulants, he said, and he feels that sterilizing of the soil as practiced today destroys beneficial bacteria in the soil.

Before the meeting was adjourned, Donald Perry announced that four Marin county nurseries would close Sundays through the months of July, August and September as a trial period of closing days.

Hugh Wallace, Sec'y.

#### SAN FERNANDO CHAPTER ADOPTS GROUP INSURANCE.

In a letter to members of the San Fernando Valley chapter of the California Association of Nurserymen, President Julian Herman announced that the chapter's board of directors had unanimously adopted a welfare plan of group insurance that became effective July 1. An identical plan was adopted by the Los Angeles chapter April 1.

The nonoccupational hospital, surgical and medical fee reimbursements plan for members, employees of members and dependents has been underwritten by Lumbermen's Mutual Casualty Co., and Pressley Neville Jones, Los Angeles, is group insurance representative for the nurserymen.

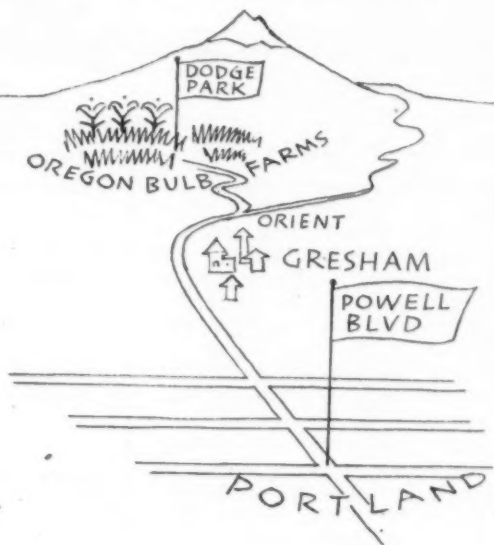
#### SAN JOAQUIN CHAPTER.

The monthly meeting of the San Joaquin chapter of the California Association of Nurserymen was held June 21 at the home of Willis A. Stribling at Merced. Dinner was served in the garden to the more than fifty members and guests who attended. Merton Weymouth, of Weymouth Nursery, and Duane Munger, of Munger-Hanson Seed Store, both of Fresno, were accepted as new members.

George Goodhue, of Goodhue Gardens, Fresno, reported on the meeting of the American Rose Society at Portland and mentioned the society's aim to discourage the introduction of substandard roses as All-America Rose Selections. A report on the preconvention tour of Yosemite National Park was given by Willis Stribling, of Stribling's Nurseries, Merced, who stressed that the convention will be less expensive

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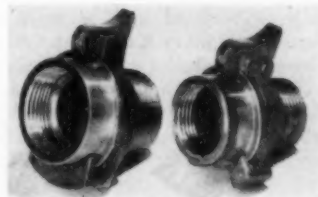
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than in previous years. Joan Stribling reported on the proposed ladies' program at the convention. Excellent colored slides of Yosemite National Park were shown.

John DuBois invited the chapter to hold its August meeting at Turlock as guests of Starr Nursery.

#### SAN DIEGO FAIR WINNERS.

At the twelfth annual San Diego county fair, held June 29 to July 8 at Del Mar, Calif., flower and garden exhibits covered four acres of the fairgrounds. All flower exhibits were outdoors in an attractive setting of well paved walks and pergolas, with pools and fountains specially installed in several of the garden exhibits. Protection from the hot sun was provided by lath roofing or by fine wire netting suspended tentlike over many of the display sections.

First prize for landscape gardens in the feature display section went to Walter Anderson Nursery, San Diego, for a garden showing three distinct types of plantings. In one section was a subtropical garden with caladiums, tree ferns and decorative foliage planted among flagstone walks and lawns. In a second section of the large exhibit were featured deodars and conifers and, in the third, were flowering shrubs and trees, including fuchsias, a liquidambar tree and a redwood wishing well. The nursery also won second prize in the strelitzia display section.

Williams & Macpherson, Encinitas, won second prize in the landscape garden division with an Hawaiian garden. Featured in it were a hut from which hung Kuki nuts and a pool bordered by star jasmines in bloom. Around the hut was an ornamental fence covered with brilliant red and fuchsia-colored flowering bougainvillea. Also seen in the exhibit were banana trees, the Queen Emma lily, flowering gingers, a Monstera deliciosa and other tropical plants.

Third prize winner in the division was Germain's, Inc., Los Angeles, with a mountain cabin and a brook featured in an exhibit designed to show native materials of San Diego county. In addition to jacaranda, loquat and bay trees, there were colorful bedding and border plants which might be grown by the home gardener in that area.

#### ROSE BROCHURE.

A handsome 11x12½-inch brochure entitled "Look into Your Future Rose Profits" has been sent to its licensees by Armstrong Nurseries,

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Ontario, Calif. It features full-page color photographs of the firm's new All-America winner, Helen Traubel, and another 1952 introduction, Chief Seattle, as well as two pages devoted to other All-America winners. The unusual cover contains a cutout section covered with cellophane, so that the rose shown on the next page shows as through a glass globe.

#### W. B. CLARKE WEDS.

At a wedding which took place June 5 at San Jose, Calif., Mrs. Mac Edna Whitney became the wife of W. B. Clarke, president of W. B. Clarke & Co., San Jose. Mr. Clarke is no longer taking an active part in the management of the San Jose firm, but he plans to spend two or three months each spring at San Jose, working on the breeding of lilacs, flowering quinces and other plants. The remainder of the year he and Mrs. Clarke will spend in their trailer, enjoying summers along

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the Pacific coast and winters in Arizona.

Mr. and Mrs. Clarke have been acquainted for about thirty years. Mr. Clarke's son, James F., vice-president of W. B. Clarke & Co., is married to the new Mrs. W. B. Clarke's daughter by a previous marriage, Vivian Whitney. The James Clarks have a daughter, Mrs. Beverly Clarke Lipscomb, and two grandchildren.

#### CALIFORNIA NOTES.

Paul von Kempf, of Pacific Nurseries, Colma, has completed a two weeks' tour of duty with the naval air reserve, in which he holds a commission.

Charles Perkins, president of Jackson & Perkins Co., Newark, N. Y., has been visiting the company's rose fields in California. An earlier visit was cut short by an accident in which his son, James, was severely injured.

Wayne Sherwood, of the Specialty Gardens, Menlo Park, who grows only tuberous-rooted begonias, has begun the construction of two new greenhouses, each 32x65 feet, and a lath house, 50x75 feet.

Lyal Nickals, a camellia specialist, will open a general ornamental nursery and flower shop at San Lorenzo. Doing all of his own construction work, he is building a 25x25-foot conservatory, a lath house and a retail shop.

H. Plath & Sons, San Francisco, is building a new lath house, to be used largely to display plants grown at Pescadero. It will replace a similar structure which has been dismantled.

The family of Frank James, of E. James Nursery, Oakland, is vacationing at its summer cabin near the Russian river, where Mr. James will join them on week-ends.

Charles Burr, of California Garden Supply Co., Belmont, recently visited the lily variety test blocks of Oregon Bulb Farms, Gresham, Ore.

Horticulturists who retired July 1 from the staff of the University of California include Prof. Harry S. Smith, head of the division of biological control at Riverside and Berkeley; A. J. Basinger, associate in the experiment station, division of biological control, Riverside, and Dr. I. J. Condit, professor of subtropical horticulture, Riverside. Each of them had been with the college at least twenty-five years. Dr. Condit has received awards from the citrus, fig and avocado industries for outstanding research.

Dr. E. Gordon Lindsley has been appointed head of the division of entomology at the California agricultural experiment station to succeed Prof. Edward O. Essig, who will devote all of his time to teaching and research until his retirement in the next year or two.

Kenneth M. Smoyer, for eleven years farm adviser in Los Angeles county, has been appointed county agricultural director to succeed the late C. V. Castle. Mr. Smoyer is an avocado and citrus specialist and is credited with having discovered quick decline of citrus.

Kurt Schmidt, operator of El Padre Nursery, San Mateo, celebrated twenty-five years in business at the same location with a special

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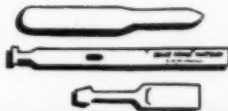
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anniversary program. Tours of the nursery, movies and prizes drew a large crowd.

Lee Benson, Alameda county farm adviser, has won a \$3,000 Ford Foundation scholarship. He will spend the coming academic year at Cornell University, Ithaca, N. Y., studying the problems of fruit and flower growers.

Don Petit, in charge of the retail department of the Kerr-Langdon Seed Co., San Mateo, is home from the hospital after treatment for serious injuries in an automobile accident. He suffered a broken jaw, the loss of several teeth and a back injury. His car, which crashed into a truck, was a total loss.

Manuel Sloane has resigned his position at the California Nursery Co., Niles, and is now in charge of a plant department at the Burr-Christian Nursery, Hayward.

The conservatory at Burr-Christian Nursery, Hayward, has been repainted and rearranged to make room for the cut flower department.

Dr. P. A. Ark, professor of plant pathology, and Prof. C. E. Scott, extension plant pathologist, both at the University of California, have prepared a report on the elimination of crown gall. Once gall starts at the crown of a tree, one of the most serious locations, it seldom stops growing unless corrective measures are taken. One method is to cut off the gall growth and disinfect the cut surfaces with a germicide which is noninjurious to the tree. The second, more commonly used method is to paint the surface with an Elgetol solution. This method, although not recommended for all trees, has proved satisfactory on almond and peach trees. On walnut trees it is necessary to scrape off all the galled tissue and treat the cut surface with the Elgetol solution. The solution is made by mixing one part of twenty per cent Elgetol with four parts of synthetic wood alcohol, known to the trade as methanol. Full details of this report, including information on the proper time for treatment, the preparation of gall and the proper use of the material, appeared in the July edition of California Agriculture in an article entitled "Elimination of Crown Gall."

W. B. B.

NEW owner of Craig's Mum Gardens, 8400 South Western avenue, Los Angeles, Calif., is Kenneth Perdue, who has changed the name of the establishment to Arbor Nursery.

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### MOUNT VERNON NURSERY.

LaDon Hensen, of Chenoweth's Mount Vernon Nursery, on Highway 99, Mount Vernon, Wash., explained that the proprietor, M. V. Chenoweth, was in town when I stopped for a visit. Spring business was exceptionally good, he answered, probably because there had to be so much replacement of shrubbery after the past two severe winters. All shrubs moved well with the exception of camellias, which seem to be in disfavor because they were so hard hit by the cold.

Work at the nursery had been increased because of the amount of pruning to be done to damaged stock, for the nursery had also suffered losses in the freezes.

Mount Vernon Nursery's trade is largely wholesale, although the salesyards are open on certain days for retail customers. The chief outlets are in eastern Washington, and the main crops are broad-leaved evergreens. The Plant House, a mail-order outlet, specializes in bulbs,

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young shrubs and other easily shipped items. An attractive roadside sign invites customers with a "Visitors Welcome."

Mr. Hensen plans to take his family on a combined business and vacation trip in early August, to Victoria, where he will attend the meeting of the Washington State Nurserymen's Association.

M. B. S.

### PLANT NOTES.

[Continued from page 32.]

of my favorite lilies, Liliun hansonii. Easy, long-lived and beautiful, it is one of the better kinds for the beginner and good enough for the advanced lily enthusiast. Its only drawback, as was shown again this spring, is the possibility of damage from late frosts, because it is among the earliest to venture forth. It takes careful watching, something we did not give it this year, to keep its growing



points unharmed in the early year. Before June is far into its third week, *L. hansonii*, with its brown-spotted, orange flowers of great substance, should be making a lovely picture in its partly shaded home. It did best here in a leafy soil, planted six to eight inches deep. It has to be propagated from divisions, an easy and rapid process, or from scales. It does not, so far as I know, produce seeds, although it crosses readily with *L. martagon*.

#### **Delphinium Tatsienense.**

Plants, like humans, have their ups and downs. For instance, when *Delphinium tatsienense* first came to my attention some twenty-odd years ago, my first impression of it seemed to be borne out by the rapidity with which it was accepted by growers and gardeners; yet now it is rarely seen in print or in gardens. If you were to ask me, the plant deserves a better fate.

First of all, like the more or less annual Chinese delphinium, *D. tatsienense* flowers the first year from seeds, especially if they are sown early. We tried seeding at various times and finally decided on early March as the best. January and early February sowings took so long to germinate that March sowings soon caught up with them when they were put in the open, after hardening off in frames, first with glass over them and then fully exposed. The plants generally commenced flowering in July, usually late in the month from March sowings, and continued over a long period. My notes and memory do not indicate just how long.

*D. tatsienense* makes a bushy plant to a height of two feet or more, with much-divided dark green leaves, and produces inch-wide, gentian-blue flowers, each segment tipped with purple.

#### **Babies'-slippers.**

A reader who has been conducting a neighborhood nursery and is now planning to enter the mail-order business with a selected list of natives asks about babies'-slippers, *Polygala paucifolia*. I can do no better than refer to an entry in my notebook for September, 1930.

I had known and admired for years the rosy-purple type of *P. paucifolia*, but never until the spring of 1930 had I been able to locate the variety *alba*. The type is one of our common wild flowers of May and early June, usually found growing in moist, shaded places and swamps, but I sometimes found it on dry hill-sides in the cutover pine country. It

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was from the latter that our garden material was selected. In our dry soil *P. paucifolia* persisted for many years, until driven out by more vigorous plants. In the spring of 1930 I also found white forms of the plant growing on a dry slope, a few of which survived in our garden. The white form has larger flowers than the type; they are snow-white and exquisitely beautiful. There is said to be a violet-colored form, too, though I have never seen it. Not the least of the beauty of the flower, be it white or otherwise, is the showy crest.

It should be remembered in handling these plants that they must have an acid soil, at least in all material that I have seen in the wild. Soil of the acidity needed by bird's-foot violets is about right. Then, too, if collected plants are used, exposure to sun as they grow in nature should govern the position they are given in the garden. According to my experience, babies'-slippers may be handled in either spring or fall, with preference, if any, for fall. Propagation is easy from division of the rooting stems. Seeds, when available, are not hard to germinate from fall sowing, but I never had much success with spring plantings.

#### Aster Wrighti.

While on a trip up the Ohio river valley three years ago I saw growing in a southern Indiana garden a planting of *Aster wrighti*. That was the first time I had seen it since it was in our trials fifteen years ago. The sight gave a lift to my spirits, because I thought *A. wrighti* might be becoming available at nurseries. A subsequent search through catalogs and inquiries at nurseries where I thought it might be found, however, fail to bring a commercial source to light. And that is not as it should be.

There are many asters in the southwest that should be brought into gardens, especially for testing in experimental gardens. Few of them are easy to procure, because Texas and Oklahoma nurserymen are too busy with their bread-and-butter items to make them available to us, and we have to depend upon friends who travel by slow automobile stages through that section to collect them for us. Unfortunately, so many are so poorly trained in garden ways they are as likely to collect a locoweed as an aster, and when they do find a gem they kill it by poor packing. As a consequence the southwestern asters are always hard to come by, and many of the fifty or

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more kinds are scarcely worth room in the garden after they are found. Yet hidden among them are undoubtedly some gems. For instance, *A. wrighti*, which is tender in our northern Michigan winters if left in the open, is a splendid thing, growing about twelve inches and producing in late summer a prodigious number of flowers close to two inches across in shades of blue and purple. There is also said to be a pure white form.

DAMAGED by floods last fall, the old Consolidated Nursery building at 640 Fulton avenue, Sacramento, Calif., has been replaced by a new 2-story building of redwood construction located at 1166 Fulton avenue, according to owner Paul Rohrer.



#### ELECTRIC LAWN EDGER & HEDGE CLIPPER

For the first time a practical lightweight electric hedge clipper for gardeners, homeowners and caretakers which, with a mere wave of the wrist, will trim any hedge or bush or will prune trees to the desired height or form. Also ideally suited for edging lawns or trimming the hard-to-get-in places under trees, bushes, fences, in and around flower beds, rocks, etc. Does away with all similar jobs. Sold mail-order only.

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LOCATED at Albuquerque N. M., Hope Nurseries have moved from Route 2, Box 606, to Route 4, Box 708C.

RECENTLY moved to Wetmore and North Iroquois road, at Tucson, Ariz., is the Park Avenue Nursery, operated by Charles Suarez.

NOVEL red wagons are provided for customers who serve themselves at La Fleur Nursery, 11373 West Pico boulevard, Los Angeles, Calif.

SOLD by Mr. and Mrs. Joe Van Busel, who have left Montebello, Calif., to make their home in another part of the state, the Beverly Nursery, 117 West Beverly boulevard, is now being operated by Mr. and Mrs. Louis J. Hutinet, who were formerly in the wholesale nursery business at San Gabriel.

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Couronne d'Or	4.00	37.50
Mikado	5.00	
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1-yr., 5 to 6 ins.	.20	.18
Juniperus hetzi glauca.		
1-yr., 5 to 6 ins.	.20	.18
Arborvitae, Pyramid.		
1-yr., 5 to 6 ins.	.20	.18
2-yr., 6 to 8 ins., field-grown.	.27	.24
Taxus media hickel.		
2-yr., 6 to 8 ins.	.20	.18
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Arborvitae, Pyramid.	.10	.09
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Taxus media hickel.	.12	.10
Taxus media hickel.	.10	.08

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3-yr., TT, 10 to 15 ins.	35.00	300.00
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2400 Globe Arborvitae.		
1-yr., T.	15.00	125.00
3000 Prizer Juniper.		
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1-yr., T.	16.00	150.00
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These are heavy-rooted, from field rows. We are sure you will like them. Free packing for cash with order. Delivery when wanted. Order early.

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PEACH PITS—Southern-collected. High germination. Small, about 6,000 seeds per bushel, \$3.50; medium, about 4,500 per bu., \$2.00; large, about 3,500 per bu., \$2.50. Sample upon request. RIVERDALE NURS-  
ERIES, Riverdale, Ga.

Italy's most reliable source of supply of high-quality TREE and SHRUB SEEDS for Nurserymen and Foresters. A quarter century of experience. L. F. ROE.

ARTURO ANSALONI  
P. O. Box 210 Bologna, ItalyRed Cedar, Juniperus virginiana, choice  
Platte or Kansas seed berries, 75c. Clean  
seeds, \$4.00 per lb. Place order for fall and  
early winter delivery.  
HOME NURSERY Cuba, Kan.

## SHRUBS and TREES

## MAGNOLIA.

Magnolia soulangeana.	Per 100
Magnolia rustica rubra.	
12 to 18 ins., slightly branched.....	\$35.00
18 to 24 ins., slightly branched.....	40.00
Magnolia soulangeana nigra.	
Magnolia lilliflora.	
12 to 18 ins., slightly branched.....	30.00
18 to 24 ins., slightly branched.....	35.00
Magnolia grandiflora (Bull Bay).	
6 to 8 ins., transplanted.....	10.00
8 to 12 ins., transplanted.....	12.50
12 to 18 ins., transplanted.....	17.50

Priced for delivery Fall, 1951, and Spring,  
1952. All well grown, nice stock.

BLACKWELL NURSERIES  
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## LINING-OUT STOCK.

We offer Chinese Chestnuts; Native Shrubs,  
Trees and Evergreens; Flowering Peach,  
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able plants at reasonable prices.GLOBE NURSERIES  
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CHIPMAN CANADA RED RHUBARB.  
Genuine stock. Large crowns or No. 1 large  
eye cuttings for fall or spring delivery. Write  
for prices. Samples sent upon request.  
The L. B. HOOPES CO.  
Muscatine, Iowa

## MISCELLANEOUS

Vinca minor, excellent evergreen ground  
cover, organically grown plants. As they run,  
\$8.00 per 1000. Earthworms, best natural soil  
builders, \$20.00 per 1000. S. Rodkin, VA-  
RIETY NURSERY FARMS, R.F.D., Lam-  
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## DAHLIA OR TREE LABELS.

	Priced per 1000
1 1/2 x 5/8 ins., notched, not wired.....	plain painted \$2.50
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1 1/2 x 5/8 ins., wired (copper).....	3.30

## POT LABELS.

6 x 1/2 ins. (cartons 1000 each).....	2.75
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6 x 1/2 ins. (cartons 1000 each).....	3.30

## Priced per carton.

6 x 1/2 ins. (cartons 500 each).....	2.40
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## GARDEN STAKES.

1 x 1/2 ins. (cartons 250 each).....	2.00
1 x 1/2 ins. (cartons 250 each).....	2.20
1 x 1/2 ins. (cartons 100 each).....	1.40

Our labels are perfectly white and smooth  
on both sides and are pronounced by growers  
the best and most economical."We ship the same day."  
YOH & HOOKER  
Youngstown 2, OhioMade from a good grade of Southern Yellow  
Pine, since Cypress is not available.  
Standard specifications, inside measurements.

## KNOCK-DOWN FLATS.

16x12x2 1/2.....	\$18.82 per 100
20x14x2 1/2.....	24.98 per 100
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22x15x2 1/2.....	32.63 per 100

All other sizes quoted on request. Prices  
F.O.B. Birmingham.We are manufacturers, not jobbers. Freight  
to any point is a small item per Flat. Our  
Flats are the best. Why pay more? Our  
quality guaranteed. Prompt shipment, any  
quantity. Attach check to order.We make mixed shipments of flats, plant  
boxes and spray bowls.  
HIGHTOWER BOX & TANK CO.  
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## TRY... genuine "HIGH NITROGEN"

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Tops in quality, packaging, sales. 100%  
pure processed peat, 98% organic, pH 4.5. Use  
M. P. in potting, bench soils, mulching. First  
for Azaleas and Ericas. Triple profits—USE  
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sizes) and bulk. Prices F.O.B. Peat Bogs,  
Capac, Mich.Mail check with order—minimum order:  
20 2-bu. (50 lb.) bags.....\$1.10 each  
10 4-bu. (100 lb.) bags.....1.95 each  
Compare bushel content. Lowest prices—  
Best Value, Results. Order today. Call Capac  
62.

## MICHIGAN PEAT, Inc., Capac, Mich.

## JUNIUS HORTICULTURAL PEAT.

A quality mixture of Sphagnum, Sedge and  
Reed Peats; 94 per cent organic; pH 4.5; con-  
tains nitrogen. Many customers say, "Best  
peat we have ever used."Available in Polythene-lined burlap bags  
(120 lbs.), neat Satchel cartons, (35 lbs.) and  
in bulk.Ready to use, no hard lumps, no presoak-  
ing necessary. More organic matter for your  
money than in clear Sphagnum baled peats.  
Ask for prices.

## JUNIUS PEAT CO.

481 So. Main St. Geneva, N. Y.

## REDWOOD FLATS, K. D.

Finest stock obtainable. Guaranteed all  
clear heart. Size 20x15x3 ins. inside measure,  
\$42.00 per 100.

## 1 1/2-in. Cypress stakes, pointed.

50 pcs. to bundle, 4 ft., \$5.50 per bd.
50 pcs. to bundle, 5 ft., \$4.50 per bd.
50 pcs. to bundle, 6 ft., \$5.50 per bd.

Ship same day. Cash with order, please.

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All-purpose power mower. Rotary type. Cuts  
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wheels, Clinton 2-h.p. engine. Buy direct.  
Extra discount. Delivered. 2 gas models. 18  
and 20-in. cuts. Exclusive deal. Prompt ship-  
ment. Catalog sheets FREE. ROTACUT CO.,  
FB, Excelsior Springs, Mo.

## MINNESOTA WHITE CEDAR FLATS.

12x16x2 1/2.....	\$20.25 per 100
14x20x2 1/2.....	24.00 per 100
14x20x3 1/2.....	27.00 per 100

Other sizes quoted on request. Also crating  
and other lumber. Aspen and Pine. F.O.B.  
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PAY LESS FOR WOOD LABELS. High  
quality, fully guaranteed. Write for prices and  
samples. ANTHONY & CO., Escanaba, Mich.

## Surplus Stock

can be easily and quickly turned into

Cash

by listing it in the

American Nurseryman Classified Ads.

## WANTED

## WANTED.

For late fall delivery, 1951. Will pay sub-  
stantial deposit. Wish to inspect if distance is  
reasonable.200 Cornus florida rubra, 3 to 4 ft., 4 to 5 ft.,  
1/2-in. caliper, with well developed  
heads.

100 Acer palmatum atropurpureum,

2 to 3 ft.

100 Acer palmatum atropurpureum,

18 to 24 ins.

100 to 200 Pieris japonica, 18 to 24 ins.

100 Pieris floribunda, 18 to 24 ins.

100 Tausa canadensis, 3 to 4 ft.

100 Tausa canadensis, 4 to 5 ft.

100 Leucothoe catesbaei, 15 to 18 ins.

100 Rhododendron carolinianum, 12 to 15 ins.

100 Rhododendron carolinianum, 18 to 24 ins.

200 Rhododendron Hybrids, 2 years out of

peat beds, 18 to 24 ins., marked colors

100 Azalea yodogawa, 15 to 18 ins. or 18 to

24 ins.

100 Azalea poukhanense, 15 to 18 ins. or

18 to 24 ins.

All of above B&amp;B and of the best grade.

Please quote and describe units available.

Norbert R. Pendergast

WILLOW RUN GARDEN SHOP

1 County Rd. Creskill, N. J.

## WANTED.

## Shumard Oaks.

Need 115, 2-in. diameter, some of smaller  
size, for Fall delivery.

Give price and sizes.

E. P. AKIN NURSERY

3867 Youres Dr. Shreveport, La.

## WANTED.

19 Fagus sylvatica riversi. Copper Beech.

8 to 10 ft. or better. B&amp;B.

TROBAUGH NURSERIES

Morristown, Tenn.

## PESTICIDE SHORTAGES.

The over-all pesticide supply situ-  
ation is tight and is expected to con-  
tinue so for the remainder of the  
season, according to the spring news  
bulletin of the National Agricultural  
Chemicals Association.

Some casement in specific instan-  
ces may occur later, but, since in-  
creased supply impinges on the avail-  
ability of basic chemicals, predictions  
cannot be made with any degree of  
certainty.

DDT is tight and is expected to re-  
main so. BHC is adequate, but ex-  
port demands might change the pic-  
ture. Lead and calcium are ade-  
quate, but there may be difficulty  
filling orders placed late. Parathion  
is short, at least for the next thirty  
days. TEPP is adequate. Toxaphene  
is short. Chlordane and Aldrin are  
tight, and Dieldrin is short.

DDD (TDE) is critically short  
and is expected to remain so. Cryo-  
lite is adequate. Pyrethrum is tight,  
because of smaller imports than ex-  
pected. Dinitros is short, as is sul-  
phur, on which conservation is neces-  
sary. Copper sulphate is tight, and no  
price ceiling on scrap makes produc-  
tion costs prohibitive. The ethylene-  
bis-dithiocarbamate supply is ade-  
quate to tight. The supplies of 2,4-D  
and 2,4,5-T are short and are ex-  
pected to continue so. Defoliants are  
short, and it will take a drastic  
change in available raw materials to  
alter the picture. Steel containers are  
tight, with priorities given for drums.

Efforts should be made to conserve  
sulphur, advises the NAC News. En-  
courage proper use of chemicals; or-  
der early, and use alternates if the  
preferred chemical is unavailable.  
There is an adequate supply in the  
field to take care of immediate de-  
mand, and industry is making every  
effort to keep the pipe line filled.

AFTER years spent gathering  
seeds and selecting from a few good  
peony varieties in a quarter of an  
acre planting made by N. I. W.  
Kriek in 1923, cut flower peonies,  
showing strongly the characteristics  
of the Reine Hortense variety, have  
been developed which won three  
first awards for Cottage Gardens,  
Lansing, Mich., at the recent nation-  
al peony show at Cleveland, O. One  
variety developed by Cottage Gar-  
dens, and soon to be tested in vari-  
ous parts of the country for cut  
flower quality, promises to be one of  
the finest red varieties since Felix  
Crousse, according to Mr. Kriek.

## NOTES FROM A NURSERYMAN'S WIFE

Someone writing anonymously in the New York Times has this to say about the November wind:

"There is a gray wind to November, which whips the low scud across the sky and sends the last of the maples' color swirling through the woodland. Give it a bright day, and there is a silvery sheen to it; you can almost see it. Give it a dull day and it moans and whispers through the oaks, still brown with clinging leaves. Give it a chill day and it has a whetted edge.

"It is a restless wind, almost as restless as the wind of March. But it roars and whistles over the hills from another direction. March wind sweeps up the valleys and over the hills, a rising wind almost as perverse as March weather. But November wind whirls down the valley, with the weight of oncoming winter behind it.

"The pines lean before it, and the dead branches of the oaks come crashing down. It strews the woodland with outworn litter, to be snow-buried and rotted into the soil whence it sprang. For it is a primeval force, the wind of November, one with the tides and the ice and the very spin of the earth itself."

It is Indian summer with a warm and benignant sun as I copy these words, but they send a little chill through my nerves, and I'm glad the storm windows are on!

\* \* \*

Occasionally a rare tree or plant item finds its way into print to tantalize with what it doesn't tell. Here are three:

"The eighth known cut-leaf alder, one of the rarest trees in the world, was discovered recently on a lonely ranch west of Portland, Ore. The 16-foot tree was donated to an arboretum by J. N. Nelson, Hillsboro rancher. All the eight known trees are now in public tree sanctuaries, including the four cut-leaf alders in Oregon."

"A little village in Florida has a tree that grows nowhere else in the United States, and the state has created Torreya state park to preserve the species."

"The wife of a Harvard professor is believed to be the first woman ever to reach the summit of Gros Piton, rugged rock near Soufriere on St. Lucia. Mrs. Elizabeth How-

ard, wife of Dr. Richard Howard, assistant professor of botany, made the climb with her husband in search of a rare plant called the 'raisiner,' believed not to be found elsewhere in the world."

And that's all we are to know? Shucks!

\* \* \*

When dahlias were rare, Empress Josephine of France is said to have planted them in her garden and would not permit them to be taken from there. However, a Polish prince who visited Josephine bribed the royal gardener to steal some of the tubers. The empress, discovering the theft, refused to cultivate them from that time on. A capricious lady, Josephine, but she did like to garden.

\* \* \*

When the multiflora rose live fence idea was first touted, I thought the head of the house would be all for it. It seems, however, that he is reserving judgment. He knows the arguments for it, viz., that after five years or so it is stock-tight; that it is smaller than the old Osage orange hedge, therefore less soil-greedy; that it provides good cover for wildlife, and that it can be planted irregularly without supports. His fear seems to be that, instead of beautifying the

countryside, it would become an unsightly matted hedgerow, full of brush and weeds.

\* \* \*

I wonder if Englishmen do not sometimes feel weighted down by their venerable traditions. The ancient "custom of the rose," it seems, is still observed on Midsummer day at the Mansion House at London. Imagine, every year since 1346, a deputation, headed by the vicar, presenting a freshly cut rose "as a quittance" to the lord mayor as "a loyal tribute from the oldest, poorest and most honest village where London was born."

\* \* \*

On a farm near Waterloo, N. Y., stands a balm of Gilead tree that is a living monument to three men. In 1861 a farmer named Johnson came in from the fields, hung his scythe in the crotch of this tree and, saying, "Let it hang there until I return," went off to war. He never returned, and the little tree is a big one now, ninety-eight feet high. From the trunk, below the crotch, a few inches of the scythe point protrudes, for the tree, through the years, has grown around the blade, which points toward its owner's unmarked grave in the south. But that is not the end of the story, for in 1917 two sons of

Scott's  
UNIQUE DRY COMPOUND  
**Kills Crabgrass**



Second successful year coming up for this exclusive product of Scott's Lawn Research. SCUTL defeated Crabgrass on thousands of lawns last year.

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**EASY TO USE** from handy shaker box or with a spreader.

**SAFE**, in recommended usage will not harm lawn grasses, persons or birds.

Stop Crabgrass before it ruins your lawn. At your dealer's or write Scott's, Marysville, Ohio. Cost is nominal. Box—\$.79 and \$1.95 Bag—\$.585



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**AGRICO FOR LAWNS, TREES AND SHRUBS.** Contains all needed plant foods in right proportions to stimulate season-long growth of green lawns, healthier trees and shrubs. In 100, 50, 25, 10, 5-lb. bags.

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**AGRICO ROSE FOOD.** Contains all essential elements — both organic and inorganic—for exclusive job of growing roses of highest quality, perfect beauty. In 50, 25, 10, 5-lb. bags.



Four Special-Purpose Agrico Fertilizers go further, do a better job . . . more plant-feeding value per pound and per dollar. Order Agrico now—we furnish liberal supply of colorful booklets, display material, newspaper cuts, etc., to help you increase sales and profits. Write us today.

### Order AGRICO Now!

Order Agrico from nearest A. A. C. Sales Office, or write to

**The AMERICAN AGRICULTURAL CHEMICAL Co.**  
50 Church St., NEW YORK 7, N. Y.

the present owner of the farm hung their scythes in the tree, one having joined the army and the other the navy. The Woman's Relief Corps of Waterloo keeps flags floating from the tree.

\* \* \*

Before Governor Hogg of Texas died he expressed as his last wish that "no monument or stone" be placed at his grave, but that "at my head (be planted) a pecan tree and at my feet an old-fashioned walnut, and when these trees shall bear, let the pecans and walnuts be given out among the plains people of Texas so that they may plant them and make Texas a land of trees." This is being done, and now many hundreds of trees from Governor Hogg's last resting place are spreading their branches throughout the Lone Star state.

\* \* \*

Malthus can rest easily, says a Cleveland man with an interesting idea. Not only can our croplands be made much more productive than they now are, but the sea and trees offer almost unlimited possibilities as food sources. From the sea he would take vegetation for fertilizer and animal feed—thirty million tons a year is feasible.

Trees could produce more food



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HANDLES 40-inch BALL—1500 lbs.

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47. Design and Planting Analysis Problem 6
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per acre than corn and would leave room beneath them for the pasture of livestock, would require no work other than harvest, would not ruin the soil and eventually could be cut down and sold as wood. Mulberries, persimmons, mesquite and honey locust for beans, cork oak for acorns—all these in the United States. In the tropics he cites Java as a country that has shown the way to use trees; rubber, cocoa, coffee and coconuts help to support its population on less than one-half acre per person, and nobody starves.

\* \* \*

Scotch proverb: "He that plants trees loves others beside himself."

### MICHIGAN CONFERENCE.

[Continued from page 25.]

scape and maintenance personnel, each of which could have separate forum meetings to discuss its own individual problems. The divisions then could meet in general session for broader educational programs.

It was suggested that ten component groups be represented in the new state organization. These are landscape nurserymen, landscape contractors, landscape maintenance men, private or estate gardeners, arborists, retail nurserymen, growers of nursery stock, lawn builders, park management men and educators. A motion was carried for nominations for an organizational committee which is to function until a permanent organization may be formed.

In the late afternoon interested groups toured lawn grass plots, the fruit orchard, Beal Gardens and the forest nursery, where college staff members explained each project. Thursday evening a short discussion of "Azaleas and Rhododendrons" was presented by Ernest N. Stanton, of Westcroft Gardens, Grosse Ile. He showed a movie of azaleas and rhododendrons in bloom in his nursery beds and colorful pictures of hybrids of his own breeding, which he has selected for hardiness, as well as other qualities.

The second speaker at the evening session was Prof. Roy B. Hull, specialist in landscape architecture at Purdue University, Lafayette, Ind. He showed colored slides of selected trees and shrubs and stated that the production of good ornamental plant material has not advanced at the same rate as that of farm crops and vegetables. He stressed the selection and propagation of specific plants to suit specific

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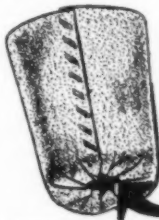
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No. 1	6½ ins.	6 ins.	7 ins.	37 lbs.	7.50	35.00	
No. 2	9½ ins.	7 ins.	8 ins.	50 lbs.	8.50	40.00	
<b>STANDARD HEAVY</b> (Packed 100 in carton; 300 or more at 1000 price)				Per 100	Per 100	Per 1000	
No. 0	5½ ins.	5 ins.	6 ins.	35 lbs.	\$3.25	\$30.00	
No. 1	6½ ins.	6 ins.	7 ins.	52 lbs.	4.50	42.50	
No. 2	9½ ins.	7 ins.	8 ins.	78 lbs.	5.00	47.50	
No. 3	9 ins.	8 ins.	9 ins.	88 lbs.	5.50	52.50	
<b>EXTRA HEAVY</b> (Packed 25 in carton)				Per 100	Per 25	Per 50	Per 75
No. 4	13 ins.	12 ins.		200 lbs.	\$7.00	\$13.25	\$19.75
					Per 100	Per 1000	
					\$23.75	\$210.00	



\*Patent Number 2073695

**THIS EXCLUSIVE FEATURE** insures healthy, growing plants. The bottom tabs on all Cloverset Pots seal in place after first watering, leaving correct opening for proper drainage.

### Sizes for:

ROSES  
ROSE TREES  
FRUIT TREES  
FLOWERING SHRUBS  
GREENHOUSE PLANTS  
PERENNIALS  
EVERGREENS  
SMALL TREES

SENT POSTPAID

Cloverset Flower Farm, Dept. A  
105th & Broadway, Kansas City 5, Mo.

Please send me items checked. I enclose \_\_\_\_\_.

- ☐ SAMPLE SET, all 8 sizes and weights, 50c.  
☐ FREE BOOK, "Sell Plants in Cloverset Pots for Profit."

NAME \_\_\_\_\_

FIRM \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_

# Cloverset

## Flower Farm

105th Street and Broadway Kansas City 5, Missouri

conditions, stating that plants should be selected on the basis of desirable form and texture, consistency, longevity and permanence, ability to withstand the climate and winter appearance. Professor Hull said that the present type of home needs trees of small and medium sizes, and that more attention should be given to developing good varieties in these groups.

### Office Forms.

Friday morning an illustrated lecture of field and office nursery forms was given by Harold Hicks, of the Cottage Gardens, Lansing. Mr. Hicks stressed the importance of keeping good nursery records. A talk on retail advertising was then given by Prof. E. A. McIntyre, of the department of journalism, who emphasized that advertising, although it is a good investment, does not produce miracles. The purpose of advertising is to offer customers what they want at the time they want it and at a price they feel is fair. A good advertisement is written in such a way that the reader thinks the suggestions it makes were his own ideas. Price is one factor to consider when choosing material to advertise, but the service a buyer may achieve

## ALUMINUM GREENHOUSES

Most modern design—greatest structural strength.  
Minimum obstructions—maximum growing space.  
Minimum foundations—maximum sunlight.  
Designed and prefabricated in England. **TEN-YEAR WARRANTY!**  
Many styles and sizes—extendable for future needs.

### NO ROT! NO RUST! NO PAINT!

For commercial styles, ask for Folder C.  
For home styles, ask for Brochure A.

### WALDOR GREENHOUSES

Box 51-C,

Clifton, Marblehead, Mass.

## BURLAP

Bales or Bolts

Also multiwall paper bags and burlap and cotton bags, new or used.

### HAMILTON BAG MFG. CORP.

199 - 203 North 8th St.  
BROOKLYN 11, NEW YORK

Telephones: Evergreen 7-4324, 4325,  
4326, 5105 and 7849.

## MARSH HAY FOR COVERING

**\$12.00** per ton baled

### KOPFF HAY CO.

Phone 2333

Beaver Dam, Wis.



**MARK**  
YOUR PACKAGES  
WITH THIS STAMP  
*Clearly  
Quickly*

This stamp has interchangeable type to change the size, grade and brand in a second. IT SPEEDS YOUR MARKING 200%. Can be made to meet requirements of every state. Write for prices and folder.

### RIVET-O MFG. CO.

76 Orchard St., Orange, Mass.

## PLANOGRAPH PRINTING

Cheaper—Better.

Type, Cuts, Rules—what have you?  
Write:

### WADDELL PRINTING CO.

LA GRANGE, INDIANA



## IMPORTED GERMAN CUTLERY

Only brand recognized by the German Nurserymen's Association.



**HERMAN A. WIRTH**

Kitzingen, Germany

Present Address: R. F. D. 1, Whippany, N. J., U. S. A.

### COURSE WORTH MUCH MORE

"The course has the goods . . . I would not take my money back for the 9 books alone. The monthly letter is well worth what the course costs."

—L. Rainswater, Missouri



• Many a man has moved to higher places, has become a more valuable employee—with this practical, 8 to 12 months' home study course. Nursery owners whose men know landscaping increase their services to the public—and their profits.

45 printed and beautifully illustrated lessons—landscape gardening, designing landscaping of homes, estates, parks, cemeteries, etc. Continuous free consultative service. 35th year. Students throughout the world. Write for FREE catalog.

Francis A. Robinson, president, is a partner of Robinson & Fernham, member of American Association of Nurserymen in active professional landscape practice for 40 years.

#### AMERICAN LANDSCAPE SCHOOL

6605 Grand Avenue, Des Moines 12, Ia.

I'd like to know more about how to make money through landscaping.

NAME.....

ADDRESS.....

### Big "RAINBOW" Sprinkler



Sprinkles areas of 2500 square feet or more without having to be moved. Has 17 nozzles. Oscillates. Waters evenly. Adjustable for different size areas. Does the work of three or four ordinary sprinklers. Price only \$45. Money-back guarantee. Immediate shipment.

**WHITESHOWERS, INC.**

17514 Woodward Ave. Detroit 3, Mich.

Complete Overhead Irrigation

## Make Money Every Time You Make This Simple Test

The Sudbury Soil Test Kit saves you from using wrong fertilizers by showing correct amounts of nitrogen, phosphorus and potash your soils need. Also shows pH. You get bigger yield, more fancies—more profits with less expense.

### No One Need Show You How

Easy as reading a thermometer! Nothing to know; nothing to learn. Make tests anytime, anywhere—even while plants are growing in benches or fields—at only 10c per test. No waiting for reports.

### SEND NO MONEY!

Let It Pay for Itself

Order today—pay postman only \$4.95 plus postage on arrival, then send 4 monthly payments of \$5.50 each.

If you want to pay cash, we'll mail C. O. D. for only \$24.95 plus postage; or send check with order and we'll mail postpaid.

**Money-Back Guarantee**  
**SUDBURY LABORATORY**  
Box 763  
South Sudbury, Mass.



Dealers: Write for Special Offer!

Since burlap is scarce and expensive we also solicit your orders on lower priced material.

## Open Mesh Onion Bag Squares

**HARROD BAG CO.**

7250 N. WESTERN AVE.

CHICAGO 45, ILL.

## AMERICAN NURSERYMAN

from the product is even more important to him. Above all, advertising should be honest and never misleading.

A retailer should set up an advertising budget based on a percentage of his gross income, which may be further broken down so that a proportion may be spent in newspaper, magazine, radio and other advertising. Professor McIntyre suggested that landscape nurserymen might well explore the possibilities of using penny postal cards for direct-mail advertising to a selected list in his own community, a method which has proved satisfactory in many small retail businesses. He suggested, too, that any nurseryman who advertises is stimulating an interest in his competitor's product as well as his own and that all nurserymen should therefore cooperate in advertising and selling stock.

Harold E. Hunziker, long-time secretary of the National Landscape Nurserymen's Association, gave an excellent talk entitled "Know Your Costs," which was based on a survey made among a number of landscape nursery concerns and tested at the Hunziker nursery. He stressed the value of basing prices on known costs rather than adopting the usual arbitrary system of using a percentage markup for labor and materials.

Following these talks was a meeting of the organizational committee of the newly formed Michigan Landscape Conference. Harold Hicks and F. L. (Steve) O'Rourke, of Michigan State College, were elected chairman and secretary-treasurer, respectively, to serve until a permanent organization is formed. Dues were set at \$2 per year per individual, and about 100 applications for membership were secured. The next meeting of the organizational committee was scheduled to precede a business session of the Michigan Association of Nurserymen to be held August 17.

### Plant Pests.

Friday afternoon C. A. Boyer, chief of the bureau of plant industry of the Michigan department of agriculture, discussed the control work supervised by his office. Suppression campaigns are being carried out within the state for the Japanese beetle, Dutch elm disease and oak wilt. As yet oak wilt has been found in only two counties in the southern part of Michigan, but at the present time intensive airplane surveys are being made to discover other likely infected trees. Prof. Forrest C. Strong, of the department of

botany and plant pathology, enlarged upon the oak wilt surveys and also discussed anthracnose, leaf scorch of oak and other common oak diseases. He said that Dutch elm disease may be held in check by controlling the European elm bark beetle, and Detroit and a number of other municipalities are cooperating by periodic spraying with DDT.

Prof. Walter Morofsky, of the department of entomology, spoke on a number of insects that are unusually prevalent this season. He stressed the importance of early and adequate spraying to control red spider and other mites on many kinds of ornamentals. Parathion is still considered the standard remedy, although some preparations which kill the egg of the mite are also helpful. Practically all shade tree insects may be controlled by a spray containing both DDT and Parathion. The bronze birch borer has been troublesome in certain areas, but it usually attacks weakened trees, and proper fertilization and adequate water are recommended as a preventive.

The final speaker at the conference was Prof. Donald Cation, of the department of botany and plant pathology, who told of the action of virus diseases in plants and how certain plants could carry such diseases without any visible symptoms. When such viruses are spread to more susceptible plants, however, injury and often death of the plant may result. Professor Cation illustrated the action of the viruses in plants by referring to cherry yellows disease and others which infect stone fruits.

#### AIR EXPRESS ESTIMATOR.

A handy estimator has been prepared by the Air Express division of the Railway Express Agency, Inc., for quickly estimating costs of air express shipments. It is made of two cardboard disks, the larger of which, 5 3/4-inch diameter, shows around its circumference the number of pounds in the shipment, while the smaller, of 5-inch diameter, set over it, has a propeller that one moves until the open slot in this disk is lined up with the number of pounds nearest the weight of the shipment. One merely reads down this column to the rate shown opposite the approximate number of air miles which the shipment is to travel. These "Rapid Rate Estimators" may be obtained for the asking from the Air Express Division, Railway Express Agency, Inc., 230 Park avenue, New York 17, N. Y.

WHEN IT COMES  
TO WATERPROOF  
PAPERS...

# Raltex Protexal

## RALTEX DUPLEX PAPERS

Creped or Flat

## RALTEX SILO PAPER

Asphalt-saturated Creped Sheet

## RALTEX BURLAP BACKED and REINFORCED PAPERS

Especially suited for protecting  
evergreens and shrubbery in winter.

For complete information see your distributor or write direct.

**W. RALSTON & CO., INC.**

Sales Office and Plant: Old Bridge, New Jersey



**The SALEM**  
**Keal-Reel**



PATENTED  
The best portable  
hose reel made!

- All-metal construction.
- 36 ins. high; holds 150 ft. of hose.
- Accessory hose connection included.
- Water passes through coupling into hose on reel.

Retail price, \$14.95 — Dealer's price, \$9.95

Write for further information.

**The SALEM TOOL CO., Salem, Ohio**

## 1-MAN CHAIN SAWS

• A "Hot" Fall Item •

Some Territory Open

**LOMBARD  
GOVERNOR CORP.**  
ASHLAND, MASS.

## "PLANT AMERICA" PROGRESS.

[Continued from page 22.]

There is the trend toward naturalism indoors as well as outdoors. Indoor designs of fabrics, drapes and upholstery, wallpaper, rugs, etc., are now practically all of plant life. Take a look when you get home and see for yourself. When you landscape and plant a home you are extending these artificial indoor designs into realism outdoors. Nobody can stare at indoor plant life designs for long without desiring plant life outdoors, even though he may not realize it. Moreover, this trend in indoor decorations betrays a hunger on the part of homeowners for naturalism and plant life.

There is another trend, too. Doubtless the atomic bomb has something to do with it, but that is not by any means the whole answer; in fact, we believe it probably is a minor one. A great movement of nonfarming families into rural areas is under way. We have the smallest number of farms in the country since 1880, according to the census, a drop of over 700,000 since 1940. Replacing this is a shifting of urban families to more rural areas, the heads of the families working in the cities and commuting fairly long distances. This shift is shown by the excess of R. F. D. boxes over the actual number of farms, this excess being 114,267 in Ohio, 185,122 in Pennsylvania, 114,260 in Indiana, 120,793 in Michigan, and so on.

According to the Ohio farm bureau, these "new migrants and new patterns of living are creating new kinds of communities. These may be called 'rurban' because they are a mixture of rural and urban ways of living." These people are having their effect on the pattern of living with respect to housing, landscaping and planting, as well as school facilities and other services. Township zoning regulations are gradually coming into play. American life has always shifted considerably from rural areas into cities, and now in the opposite direction.

With this considerable shifting of nonfarming families into rural areas, which would seem to accelerate in the future rather than decelerate, there will be increased business and opportunity for nurserymen. Certainly these people are going to plant more trees and flowering shrubs and perennials, including roses, for I have yet to see anybody move from city to country without sooner or later getting the urge to plant nursery stock. This also will help to stimulate other rural residents, composing



## FOR ACID SOIL PLANTS.

# RELIANCE

## Agalea and Camellia SPECIAL

Already famous for use on *Agaleas* and *Camellias*—Fast becoming the leading plant-food for use on *Magnolias*, *Hollies*, *Gardenias*, *Rhododendrons*, *Kalmia*, *Tea Olives*, *Blueberries*, *Tuberous Begonias*, *Fuchsias*, etc.

Cultural Booklet—*Agaleas* and *Camellias*—will be sent upon request.

The **RELIANCE FERTILIZER CO.**  
SAVANNAH, GEORGIA

## ALUMINUM TAGS

(All-weather)



3 1/2" x 3/4"

- Patented cardboard backing permits easy embossing with ordinary lead pencil.
- Heavy eyelet. Copper-wired.
- Attractive silver Aluminum, backed with yellow cardboard.
- Inexpensively priced:  
1000 for... \$14.00    250 for... \$5.00  
500 for... 9.00    100 for... 2.50

Write for samples.

**BERRYHILL NURSERY CO.**  
P. O. Box 696    Springfield, Ohio

## BURLAP SQUARES

Cut from used burlap.  
16x16 ins. to 40x40 ins.

Mesh Cotton Net Squares  
32x32 ins.

Your inquiries are invited.

**GENERAL PACKAGE CORP.**  
220-224 Badger Ave.  
NEWARK 8, N. J.

## ROTOTILLER OWNERS

With the **AUTOMATIC DRIVES**

Installed

on your Rototiller, the operator is able to make a turn at either end of a row very easily with ONE hand, as one or the other wheel FREES AUTOMATICALLY when turn is started, and when turn is completed that wheel locks into POSITIVE forward driving position and both wheels drive forward until another turn is started. The "Hard-to-Stop" Model B-6 can be stopped on "The Spot" when equipped with Drives. Rototillers equipped with reverse units will turn under their own power by pulling the reverse lever into reverse position. Transmission oil leaks can be permanently stopped with our special oil seals if installed in connection with Automatic Drives. For descriptive literature use your local Rototiller dealer or write direct to

**AUTOMATIC DRIVE CO.**  
P. O. Box 555    SAGINAW, MICH.

## BUCKWHEAT HULL MULCH

	Per cwt.
100 lbs. ....	\$2.50
500 lbs. ....	2.25
1000 lbs. ....	2.00
2000 lbs. ....	1.75

F.O.B. Janesville, Wis., in 50-lb. sacks.

Send remittance with order to:

**FRANK H. BLODGETT, INC.**  
Box No. 31-X    Janesville, Wis.

our farm belts, to landscape and plant more than in the past.

Then there is that other market of the people who have bought new homes in the past five or six years, millions of them, who now are beginning to get straightened out and can see daylight financially. Clarence Siebenthaler used to maintain that the landscaping and planting business from this vast new housing market would not really begin to come into its own until five years after

those homes were built or bought. And Clarence was as right in that we believe, as in the many other things he observed for the A. A. N. and the industry in general.

These are some of the things that help to prove that our "Plant America" program is on the right track. The future is promising only if you make it so. The opportunities for "Plant America" promotion are endless. Some of us on your market development and publicity committee



and, I am sure, many nurserymen watched closely as retail sales generally decreased the past spring. Nursery sales, however, on the average kept right on up despite the worst weather that many parts of the country have ever experienced.

With sound promotion nothing short of a severe depression can prevent the volume of nursery sales from going up. Production costs can almost always be translated into proper pricing. If that were not true, our factories and department stores would be out of business. If people want something, they'll pay for it, and the nurserymen who are selling at cost or below, largely because they do not have a sound cost system, are only hurting themselves. Nobody objects to fair prices. If they do, it is only because the individual nurseryman has neglected to educate his customer as to all the factors that go into the increased costs of producing quality nursery stock—and by showing that nursery stock prices have not kept pace with the price advances in other lines. Customer education might be profitably pursued by individual nurserymen in that direction, in order to show people they are getting greater real values when purchasing nursery stock. We have slanted certain newspaper releases to bring out this point, as some of you may have noticed. We don't just send out publicity releases. We try to write them, whenever possible, in such a way as to educate people in relation to your problems as well as to sell nursery stock.

There are numerous ways by which we hope to expand "Plant America" next year, as well as to promote the industry generally. One of these is the study under way with the bureau of advertising of the American Newspaper Publishers' Association. There also is a program pending in cooperation with the Structural Clay Products Institute, Better Homes and Gardens, department stores and nurserymen in connection with a series of demonstration brick houses in various parts of the country.

However, we know you, too, as individuals and local and state-wide groups, will continue to promote and expand "Plant America" locally. We soon are to send out a questionnaire to check on the publicity you want locally, in order to coordinate our efforts more closely.

As you know, we lost our former market development committee chairman last October. If any member of the nursery industry ever had

**Use Premier!**



## Premier Peat Moss

**PEPS-UP  
YOUR SOIL**



**BIG-VALUE BALES  
IN SIZES  
FOR EVERY NEED!**



**Sell Premier!**

**P**REMIER Peat Moss absorbs and stores the moisture that your soil needs—to pep-up your plants—and pep-up your profits.

Put your soil in Premier condition—for better propagating . . . lining out . . . transplanting. And give your nursery Premier profits by offering customers this outstanding soil conditioner—in outstanding packages for every need.

98% Organic—Weed-free

Ask about our "Pack In the Profits Plan"



Handy Cartons



Plastic Bags



Kraft Paper Bags

**BAGS AND CARTONS FOR RE-PACKING**

### Premier Canadian Peat Moss

The best in peat moss packaging, with an assortment of bales, bags and cartons for every customer's needs.

### Premier European Peat Moss

The pure sphagnum peat moss. The best value and the best packaging from world-wide resources—available at your nearest port.

**PREMIER PEAT MOSS CORP.**

535 Fifth Avenue, New York 17, N. Y.

## Since 1840 TWINE and CORDAGE

For all nursery requirements.

**GEO. B. CARPENTER & CO.**

430 - 440 N. Wells St.  
Chicago 54, Illinois

## TRUCK DECALS

Lettering and trade-mark reproductions made for your trucks, agent autos, etc. Easy to apply, distinctive uniform advertising, economical for small or large fleets.

Write for catalog.

**MATHEWS COMPANY**

827 S. Harvey Ave. OAK PARK, ILL.

## No Experience Needed To PRINT YOUR OWN POST CARDS

The GEM STENCIL DUPLICATOR saves money . . . gets results quickly! Hundreds of uses for every type of business and organization. We ship the GEM complete with all supplies, Guide Board for accurate printing and 60-page Book of Ideas at the special low price of only **\$4.50** (a \$15.00 value)

Our 21st Year

## FREE TRIAL OFFER

Use the GEM FREE at our expense! SEND NO MONEY. Write and complete GEM outfit will be sent you postpaid. After ten days, send us only **\$4.50** or return the GEM. You must be satisfied! WRITE TODAY.

**BOND EQUIPMENT CO. Dept. 22**  
6633 Enright • St. Louis 5, Mo.

## Imported . . . GRAFTING and PRUNING KNIVES . . . PRUNING SHEARS

*New Shipments Recently Arrived. Immediate Delivery.*



Grafters, Budders, Pruners  
\$2.75 to \$3.75 ea.

WRITE FOR  
ILLUSTRATED  
LIST



Finest Steel and Workmanship  
\$2.75 to \$6.25 ea.

**BERRYHILL NURSERY CO. Box 696 SPRINGFIELD, OHIO**

the welfare of the A. A. N. and the industry at heart, Clarence Sieben-thaler did. He died while on committee business in New York. It was very sudden and a shock to all of us. I sometimes wonder if we ever had a wiser, more sincere and sounder business associate and friend than Clarence. The longer you knew him, the more you realized it. The loss is far greater than just a committee member; it is a loss to the full membership of the A. A. N.

Despite the many handicaps of increasing costs, including labor, the future of most nurserymen looks bright for the coming year. It may take some painful working out of production, pricing and other problems, but the market is there and is increasing. And so long as the market is there, you don't have to worry too much.

With a sound market, other things can be ironed out. It is when your market drops away that you have cause for alarm. Fortunately, on this score the future looks as bright as, even brighter than, ever.

"Plant America" is a necessity. According to authorities, conservation of national resources, or "Plant America," is one of the three greatest problems facing our country right now.

"Plant America" is not only a business builder for today, but a form of business insurance for tomorrow.

SOLD to Mrs. Idell Ragsdale, Mineral Wells, Tex., by the Wade Knudsons was Sue's Nursery & Floral Shop, Clifton, Tex.

PREVIOUSLY at Syosset, N. Y., Martin Viette is now operating his nursery business on Manetto Hill road, Plainview, Hicksville, L. I., N. Y.

ACCORDING to Ray Bednar, partner in a landscaping business with Peter Bednar at 13614 Meyers road, Detroit 27, Mich., they will open a nursery in connection with their landscaping business.



### AT LAST! A ROTARY TILLER DESIGNED FOR NURSERYMEN!

Yes, it's true. Here is a machine geared for fast cultivation. Has plant guard for picking up low branches and foliage. Tines are a series of little hoes that will not clog or tangle but give a perfect, weed-free, ground-mulched cultivation.

Manufactured by SIMAR (originators of rotary tillage), since 1918.



\*PREFERRED BY NURSERYMEN THE WORLD OVER FOR THIRTY-THREE YEARS

For details and price, write to

**E. C. GEIGER CO.**

P. O. Box 270, NORTH WALES, PA.

**SIMAR**

The ORIGINAL SWISS ROTARY TILLER

"The Machine that is Copied, But Never Equaled!"



**WOLVERINE LAWN SPRINKLER**  
FULL AUTOMATIC

**ONLY \$25.50**

F. O. B. Factory

Water falls gently like rain, yet abundantly, with perfect distribution. Two sizes available for 1500 and 2500 sq. ft. areas. Both instantly adjustable for any desired width. Operates on any pressure from 15 lbs. up. Lasts a lifetime. Sold at low factory-to-you price on money-back guarantee. Send check or money order — otherwise shipped C.O.D. State size wanted. Shipping weight 20 lbs. Illustrated folder available. Pioneers in overhead irrigation and supplies since 1926.

**JOHN RUST MFG. CO.**

628 W. Patterson St.  
Kalamazoo 53, Mich.

## BURLAP

We are steady suppliers of  
Rolled burlap.  
Open mesh onion squares.  
Domestic burlap squares.  
All types of sisal strings  
and hawsers.

**ACME BURLAP BAG CO.**

Tel. 6-6803

BOX 1051, HARTFORD, CONN.

## WOOD LABELS

For Nurserymen

**DAYTON  
FRUIT TREE LABEL  
CO.**

Ray and Kiser Sts. DAYTON, O.

Use for PROFIT — Sell for PROFIT



FEED AS YOU WATER

Best • Most Economical for LAWNS • TREES • EVERGREENS  
FREE SAMPLE and MONEY-MAKING PLAN.  
12500 PARNELL AVE.  
**PLANT MARVEL LAB.** Dept. AN-8, CHICAGO 28, ILL.



PLASTIC—DIRT WILL NOT STICK

Designed by a commercial grower. Ideal for transplanting small plants—onion sets, etc. Will save hours. Silken smooth—wear resistant—stainless. Thoroughly tested and proved the best material for this use.

3/4" by 5 1/4". Postpaid \$1.  
**GRQ-QUICK Mfg.** 300 W. Huron St. Chicago 18, ILL.

*Finest  
Quality*

3½-in. Wired Labels

Plain—Painted—Printed

2½-in. Printed Wired Labels

Painted Labels — all sizes

Field Labels — made to order

Write for prices and discounts.



*Immediate  
Service*

Printing available on all types and sizes of labels. You save by buying your labels with varieties already printed on them. You can also benefit by printing your name and address. Please write for prices.

**THE BENJAMIN CHASE COMPANY**

1867

DERRY VILLAGE, N. H.

1951

**MISSOURI SHORT COURSE.**

[Continued from page 28.]

boxwood suffered little injury last winter at Gray Summit, Mo. The Korean boxwood, *B. microphylla koreana*, has never suffered winter injury there, but it does not have so attractive growth habit as English boxwood.

Several hollies are worth trial in Missouri. There has been no serious winter injury on established plants of *Ilex opaca*, *Ilex cornuta*, *I. crenata* and *I. glabra* are also good. The English holly, *I. aquifolium*, cannot be grown successfully in the state.

*Mahonia* requires unusual patience, but once established it has never been severely injured in this region. Careful selection of seed sources may help solve many problems. There are also many new pyracanthas becoming available which should be tried. The woolly buckthorn, *Bumelia lanuginosa*, a native Missouri plant, is not truly evergreen, but it does hold its leaves well into the winter. It is a low, squat, slow-growing tree that will stand some shearing, and it harmonizes well with the modern ranch-type house. The leatherleaf viburnum, *V. rhytidophyllum*, does not suffer serious winter injury and can be propagated fairly easily from cuttings.

The cotoneasters are generally shallow-rooted and need careful mulching, but if given some protection from winter sun, they ought to grow fairly well. *Kalmia* and *peris* are similar in that they require good fertility and vigorous growth to prevent winter injury.

Two magnolias ought to be considered, *Magnolia grandiflora* and *M. umbellata*. The former makes a beautiful specimen tree and has come through the winters with minimum injury in St. Louis county. A few leaves are lost each year, but they are quickly replaced in early

**FAST, EFFICIENT ROSE TYING  
with SAXMAYER MODEL EM!**



Designed for tying roses and other flowers quickly and neatly, SAXMAYER Model EM is a small, fully automatic electric portable tying machine. It's light in weight, so simple in construction even a child can operate it. Write for illustrated folder describing 20 standard SAXMAYER Models serving over 100 different industries.

DEPT. D

**NATIONAL BUNDLE TYER CO.  
BLISSFIELD, MICHIGAN**

the **Scythette**  
4 TIMES FASTER than  
ORDINARY METHODS

**AUTOMATIC PORTABLE • POWER DRIVEN**

Whether operated on rocky, rough ground or underwater, the Scythette cuts Weeds, Grass, Reeds evenly, in less time and without wasted motion. Weighs only 24 lbs., features 20" cutter bar, aluminum construction. 1¼ hp motor that runs many hours per gallon.

**Scythette**  
The Power Scythe

WRITE FOR FREE ILLUSTRATED FOLDER

**Hoffco, inc.** RICHMOND, INDIANA



spring. Growing the plants from locally harvested seeds may improve hardiness even more. Magnolia umbellata forms a large shrub about fifteen feet high and with a 25-foot spread. Leaves are large and give a tropical effect in the landscape picture. Of the rhododendrons, which are fairly successful if given good fertility and mulches and protection from the winter sun, R. obtusum, R. micranthum and R. maximum roseum deserve trial.

Clark Kidd, of Arp Nursery Co., Tyler, Tex., appeared next on the program, discussing "The Merits of Some New Rose Varieties." He showed a large group of colored slides illustrating rose-growing operations of his firm and, in addition, many more slides showing the form and coloring of many of the newer rose varieties. On display were blooms of many of these varieties that had been flown in especially for the short course.

#### Nursery Efficiency.

Dr. Chadwick then returned for his second talk, this time on "Efficient Nursery Operation." Several main topics were considered, including general layout, propagation, production and sales. He emphasized that it is difficult to alter the over-all layout of the nursery after all structures are in place, and, therefore, careful planning before building is essential. The rows in a nursery block probably should not exceed much more than 100 yards in length. Crop rotations and planting plans should be laid out on paper before any planting is done. About one-third of the land should be planted in sod crops to maintain good fertility and enough organic matter in the soil.

The production schedule should be based on anticipated sales, not on the amount of propagating material available. Nurserymen cannot predict exactly what plants or how many will be wanted five to ten years hence, but by studying the trends they can estimate fairly well. Right now the emphasis is on broad-leaved evergreens, but in a few years it may be on something else, possibly good deciduous shrubs once again. Nurserymen are probably growing too many varieties, Dr. Chadwick said. If a new, superior variety is introduced, an inferior variety ought to be dropped from the list. More plants that require less maintenance should be grown. A viburnum, for example, can be grown for years with little pruning, while

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a mock orange must be pruned yearly for best results. If a nurseryman is unable to grow a quality plant of a certain species under his soil and climatic conditions, he should not try to grow it at all, but should buy it from someone who can grow it well. By using intensive cultivation methods, such as lath houses for young evergreen cuttings, a year may be saved in the production of a 2½ to 3-foot plant.

Since sixty to sixty-five per cent of the cost of production of nursery stock is labor, nurserymen should make use of all the laborsaving machinery that can be used economi-

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cally. If planting is done by machine, it will pay to have one man follow the planter and reset the few plants that may need attention. Planting evergreens so that they can be cross cultivated by machinery will save much hand weeding. Large, 3 to 4-inch caliper shade trees can be grown much more quickly and efficiently under sod than under clean cultivation after the first two years. They are also easier to dig. Evergreens, however, have not given good results



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No. 1	30 lbs.	70 lbs.	6 ins.	5 ins.	6 ins.	4.00	37.50	5.25	50.00
No. 2	48 lbs.	110 lbs.	7 ins.	5¾ ins.	8 ins.	4.50	42.50	5.75	55.00
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under this system. A portable irrigation system is good crop insurance, even if it is used only once every two years. Proper fertilization of plants according to soil tests is important. Shade trees are not pruned enough in the nursery. A high percentage of subsequent breakage could be prevented if weak crotches were eliminated before the tree left the nursery.

Efficient sales depend upon a satisfied customer. Give ample cultural information with the plants at the time of the sale, and check up later to see how they are growing. In a survey of customer complaints in Ohio it was found that high prices were not a cause of complaint so long as the plants received were of the best quality. Only when a high price was asked for inferior plants did the customer complain.

### Fertilizer Situation.

The program was concluded by Loryn McQuenter, of the Missouri Farmers' Association, Columbia, who spoke on "The Fertilizer Outlook." Shortages can be caused by a decreased supply or an increased demand, or a combination of both, as in the present fertilizer situation. Within the past ten years fertilizer tonnage used in Missouri has risen 600 per cent, with the average analysis rising about fifty per cent. The present shortages are caused by the inability of the industry to expand as rapidly as demand has increased. This may be traced to the huge investments necessary and to the time involved in building new factories.

Nitrogen used in mixed fertilizers comes principally from unlimited supplies in the atmosphere, but it requires expensive plants for manufacture. Huge quantities of natural gas which are difficult to secure, are also needed. Superphosphate is scarce because of shortages of sulphur and sulphuric acid, which are

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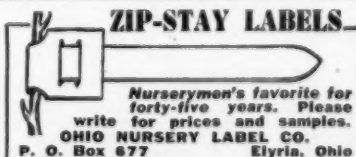


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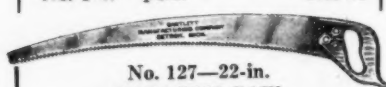
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required in its manufacture. Treble superphosphate, needed in high-analysis mixtures, is also in short supply. The increase in the rate of mining of potash salts in the area around Carlsbad, N. M., has not been enough to keep up with demand. Two new companies are entering the field in the near future, however, and the situation should be eased somewhat.

Barring heavy increases in the demand from farms or for defense purposes, the production of fertilizers should catch up with requirements within three or four years. If the nurseryman has need for ammonium nitrate, treble superphosphate or any special or high-analysis fertilizer, he should buy it whenever it is available during the summer or the autumn. All of them will be much scarcer next spring. Low-analysis mixes, such as 4-12-4, 3-12-12 and 2-12-6 should be available in ample supply this autumn in Missouri, but they may be short next spring unless the supplies of sulphur and sulphuric acid increase.

### CATALOGS RECEIVED.

#### WHOLESALE CATALOGS.

Monrovia Nursery Co., Monrovia, Calif.—Azaleas, camellias, hibiscus, hydrangeas and general ornamental stock; 72 pages, 6x9 inches.

Wayside Gardens Co., Mentor, O.—Lilies, bulbs, shrubs, seeds and roses; 56 pages and cover, 8 1/2 x 11 1/4 inches.

#### WHOLESALE PRICE LISTS.

Edward Auten, Jr., Princeville, Ill.—Peonies; 16 pages, 4x9 inches.

Bryant's Nurseries, Princeton, Ill.—Peonies and evergreens; 10 pages and cover, 6x9 inches.

L. E. Cooke Co., San Gabriel, Calif.—Deciduous trees and shrubs, fruit trees and small fruits, rhododendrons, evergreens, primroses, ferns, perennials and bulbs; 19 pages, 8 3/4 x 11 1/4 inches.

Felix & Dykhuis, Boskoop, Holland—Ornamental trees and shrubs, evergreens, roses and perennials; 32 pages and cover, 7 3/4 x 10 1/2 inches.

Le Feber & Co., Boskoop, Holland—Ornamental trees and shrubs, vines, evergreens, fruits, perennials and roses; 32 pages, 6 1/4 x 9 1/4 inches.

Leghorn's Evergreen Nurseries, Cromwell, Conn.—Conifers and azaleas; 6 pages, 4x8 1/2 inches.

O. H. Perry Nursery Co., McMinnville, Tenn.—Deciduous trees and shrubs, evergreens and vines; 20 pages, 4x9 inches.

Semmes Nurseries, Semmes, Ala.—Azaleas, camellias, magnolias and evergreens; illustrated, 56 pages, 4x9 inches.

Stassen Floral Gardens, Inc., Roslyn Heights, N. Y.—Tulip, narcissus, hyacinth, crocus and other bulbs; 4 pages, 8 1/2 x 11 inches.

Verecke Bros., Sleidinge, Belgium—Roses, fruit and nut trees, ornamental trees and shrubs, evergreens, rhododendrons, azaleas and begonias and hardy plants; 36 pages, 5 1/2 x 8 1/4 inches.

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### A. A. N. REGISTRATION OF NEW WOODY PLANTS.

[Continued from page 38.]

Styer, of Styer's Nurseries, Concordville, Pa., listed the new plants and their originators or introducers which have been registered with the A. A. N. during the past year. One hundred ninety-nine plants previously registered with the A. A. N. have already been described in earlier issues. Additional ones are:

200. Camellia Nina Avery. Registered by E. A. McIlhenny, Avery Island, La.

201. Camellia Kerlerrec. Registered by E. A. McIlhenny, Avery Island, La.

202. Camellia Emma Coker Rogers. Registered by Anne T. Rogers, Society Hill, S. C.

203. Camellia Arlene Lee Shepp. Registered by Paul E. Shepp, Shepp's Shade Garden, Pasadena, Calif.

204. Camellia Eddie G. Wheeler. Registered by R. L. Wheeler, R. L. Wheeler Nurseries, Macon, Ga.

206. Camellia Selma Shelander. Registered by Mrs. Selma F. Shelander, St. Simons Island, Ga.

207. Camellia R. L. Wheeler. Registered by R. L. Wheeler, R. L. Wheeler Nurseries, Macon, Ga.

208. Camellia Betty Sheffield. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

209. Camellia Bryan Wright. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

210. Camellia Charles Maxwell. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

211. Camellia Edna Earle. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

212. Camellia Frank Gibson. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

213. Camellia Pearl Maxwell. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

214. Camellia Peter J. Hjort. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

215. Hedera helix Bulgaria. Registered by Missouri Botanical Garden, St. Louis, Mo.

216. Hedera helix Rumania. Registered by Missouri Botanical Garden, St. Louis, Mo.

217. Camellia Martha Brice. Registered by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

218. Camellia Winifred Coulter. Reg-

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219. Camellia Nesbette. Registered by Mrs. Vaughn Nesbitt, Shreveport, La.

220. Camellia Lena Jackson. Registered by M. H. Brown, Ingleside Nurseries, Baconton, Ga.

221. Pinus flexilis Glenmore. (Silver Limber Pine.) Introduced by Scott Wilmore, Wilmore Nurseries, Wheat Ridge, Colo. Registered by Robert E. More, Denver, Colo.

222. Juniperus scopulorum Gray Gleam. Registered by Scott Wilmore, Wilmore Nurseries, Wheat Ridge, Colo.

223. Azalea Iceberg. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

224. Azalea Iceland. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

225. Azalea Banks Land. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

226. Azalea Arctic. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

227. Azalea Eskimo. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

228. Euonymus fortunei Corliss. Registered by Clifford D. Corliss, Corliss Bros., Inc., Gloucester and Ipswich, Mass.

229. Azalea Yukon. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

230. Azalea Nome. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

231. Azalea Frigid. Registered by C. J. Overdevest, Deerfield Nurseries, Deerfield, N. J.

232. Eugenia paniculata australis Armstrong. Registered by K. L. Kloppenburg, Armstrong Nurseries, Ontario, Calif.

233. Azalea H. H. Hume. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

234. Azalea Majestic Pink. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

235. Azalea Pink Profusion. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

236. Azalea Polar Bear. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

237. Azalea Rose Banner. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

238. Azalea Rose Glory. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

239. Azalea Snowwhite. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

240. Azalea White Banner. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

241. Azalea White Perfection. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

242. Azalea Guy Yerkes. Registered by Robert L. Pryor, U. S. D. A., Beltsville, Md.

243. Lonicera Clavey's Dwarf. Registered by Roy F. Clavey, F. D. Clavey Ravinia Nurseries, Inc., Deerfield, Ill.

244. Chaenomeles lagenaria Roxanna Foster. (Flowering Quince.) Introduced by Foster Nurseries, Houston, Tex. Selected and registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

245. Chaenomeles lagenaria Texas Scarlet. (Flowering Quince.) Introduced by Foster Nurseries, Houston, Tex. Selected and registered by W. B. Clarke,

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246. Chaenomeles Rosy Morn. (Flowering Quince.) Registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

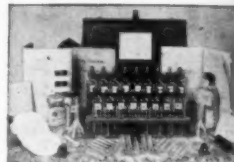
247. Chaenomeles Red Ruffles. (Flowering Quince.) Registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

248. Chaenomeles Nasturtium. (Flowering Quince.) Registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

249. Abies fraseri prostrata. (Prostrate

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250. Azalea Headliner. Registered by Juston L. Ham, Chicago Park District, Chicago, Ill.

251. Chaenomeles candida Charming. (Flowering Quince.) Introduced by Wayside Gardens Co., Mentor, O. Selected and registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

252. Chaenomeles candida Coral Beauty. (Flowering Quince.) Introduced by Wayside Gardens Co., Mentor, O. Selected and registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

253. Chaenomeles Minerva. (Flowering Quince.) To be introduced in 1952. Registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

254. Feijoa sellowiana Pineapple Gem. Registered by Monrovia Nursery Co., Monrovia, Calif.

255. Ilex opaca T. B. Symons. Registered by Harry W. Dengler, University of Maryland, College Park, Md.

256. Symphoricarpos chenaulti Hancock. Registered by Woodland Nurseries, Cookville, Ont., Canada.

257. Chaenomeles superba Mount Shasta. (Flowering Quince.) Registered by W. B. Clarke, W. B. Clarke & Co., San Jose, Calif.

258. Juniperus chinensis pfitzeriana den Boer. Registered by Heard's Landscape Nurseries, Des Moines, Ia.

259. Caragana frutex Globe. Registered by Skinner's Nursery, Ltd., Dropmore, Man., Canada.

260. Weigela Dropmore Pink. Registered by Skinner's Nursery, Ltd., Dropmore, Man., Canada.

261. Juniperus chinensis Mordigan. Registered by Mordigan Evergreen Nursery, San Fernando, Calif.

262. Gleditsia triacanthos inermis Moraine. Registered by Siebenthaler Co., Dayton, O.

263. Juniperus chinensis pfitzeriana Moraine. Registered by Siebenthaler Co., Dayton, O.

264. Taxus cuspidata Moraine. Registered by Siebenthaler Co., Dayton, O.

265. Ilex crenata Stokes. Registered by Stokes Nursery, Butler, Pa.

266. Azalea Front Page. Registered by Chicago Park District, Chicago, Ill.

267. Ulmus americana Augustine. Registered by Augustine Ascending Elm Research Association, Inc., Chicago, Ill.

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Protect your rose bush shipments with PAXWAX, the practical protection used for the past 3 years by leading nurserymen everywhere. PAXWAX is easy to use. Stays flexible at storage temperatures. It never separates. It never becomes brittle. It never shatters in handling. Economical to use. Dependable. Two popular types: PAXWAX No. 204 H Cream (Neutral); PAXWAX No. 204 I Green.

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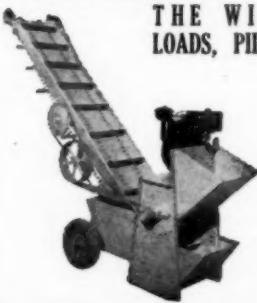
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Prompt Shipment  
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## THE WICHITA COMPOST COMBINATION LOADS, PILES, GRINDS, SCREENS and SEPARATES TRASH



Tough sod, clay, sludge and all organic matter ground through rollers that do not clog on wet materials.

Mellow material screens through perforated screens and trash perfectly separated. Carried over the elevator perfectly mixed and ground without separating light from heavy materials and piled or loaded up to 6 feet.

Patented Screens hold material against grinding cylinder until properly reduced. This is necessary for a perfect product. Two Hoppers: Upper hopper for materials to be ground. Lower hopper for loading only, or for turning the pile without grinding.

Out literature shows various models, all of which are perfect Compost or soil Builders. Ask for it; no obligation.

**The W-W Grinder Corporation**  
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## AN ALLCUT CUTS LIKE A SICKLE FROM the GROUND UP!

Cuts ALL the weed stalks left by other mowers with practically NO EFFORT. Cuts ornamental grass (grass that is cut every week) on steep banks with EASE. Cemeteries spend less than \$5.00 a year to buy and maintain a 24-in. ALLCUT. DELIVERED PRICES IN U.S.A.

16-in.—\$27.50 24-in.—\$34.50

BLADES 4 for \$1.40

**AUTO SICKLE CO.** So. Natick, Mass.

## NURSERY TAGS

Suitable for Labeling

Trees — Shrubs — Plants —  
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Convenient — Economical

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Plate Book for Northeast and Midwest.

Illustrates in full color 235 standard nursery items, brief descriptions. Price, **\$1.25** each in small lots.

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Suitable for Missouri and Kansas to Texas area, **\$2.00** each.

#### Descriptive Nursery Catalog

Nicely illustrated, 48 pages and cover. Price, **30c** each in small lots.

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A pocket-size, 48-page booklet. Very complete but concise information, well illustrated. Helpful in preventing claims for dead stock that cost nurserymen money. Sample, **10c**. Write for discounts on quantities.

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Popular items in full color. Price, **12c** each in small lots.

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Cash with order, please.

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## GOODRICH BUDDING STRIPS

are getting scarce. There have been one cut in the allotment of natural rubber for commercial purposes and two increases in prices.

Write for prices and place your 1951 order at once.

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## HALPERN BROS.

### NURSERY BURLAP Squares and Rolls

and

MESH COTTON NET SQUARES

272 S. 2nd St. Market 3346  
PHILADELPHIA 6, PA.

## CONVENTION NOTES.

[Concluded from page 22.]

firm, the Willis Nursery Co., Ottawa, floodwaters were up to the eaves of one warehouse, though the salesyard and office were still all right.

Ralph Skinner, J. H. Skinner & Co., Topeka, Kan., reported water four feet deep in his living room.

Water from a 5-inch cloudburst had just been pumped off fields of large deciduous stock and a red cedar seedling block at the Kansas Landscape & Nursery Co., Salina, Kan., when floodwaters completely inundated them. It was impossible to leave the town by car or train until July 16; so owner Ralph Ricklefs had to cancel his plans to attend the A. A. N. convention.

Armstrong Nurseries, Ontario, Calif., were represented by J. Awdry Armstrong and son David, as son John had to remain at home, still recovering from a recent appendectomy.

Valleau Curtis reported that the Charles G. Curtis Co. has been dissolved and his firm at Callicoon, N. Y., is now known as Curtis Nurseries.

Mr. and Mrs. Fred Williams, of Williams & Harvey Nursery, Richmond, Va., left the convention early to take a cruise to Guatemala.

Robert Pyle, of Conard-Pyle Co., West Grove, Pa., returned from a 7-week trip to Europe just in time for the convention.

Mr. and Mrs. Clyde Stocking, San Jose, Calif., canceled their proposed trip home through the Bryce and Zion National Parks, when they received word that Mr. Stocking's mother, very active at the age of 87, had fallen and broken a hip.

The removal of Mrs. John Fraser, Jr., to a hospital at Huntsville, Ala., in a critical condition caused the early departure from the convention of John Fraser, Jr., and their son, John Fraser III.

Though still recuperating from recent illness, Mrs. Myrtle Armstrong, operator of the Kitchen Door Nursery, Miami, Fla., and secretary of the Nurserymen's Association of Dade County, was able to attend the convention. Also present were the new officers of the Florida Nurserymen's Association, Ed Brown, Gqochland Nurseries, Pembroke, and David Stabler, Winter Haven Nurseries, Winter Haven, president and vice-president, respectively. Word was received at the convention of the death, July 18, of E. Tinsley Halter, immediate past president of the Florida association, who had planned to make the trip to New Orleans.

## NURSERY LABELS WATERPROOF

*"Rite in the Rain"*  
(Trade-mark Reg.)  
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Made from highest quality tagboard.

Use any ordinary pencil.

Rain or shine, writing stays on.

In sheets of 20.

Can be used in typewriter.

Three lengths.

8 x 5/8 ins., 1000 per pkg., **\$2.50**

Per 5000 lots, **\$2.25** per 1000.

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Per 5000 lots, **\$1.85** per 1000.

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Per 5000 lots, **\$1.40** per 1000.

Prices for larger quantities

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Prices F.O.B., Portland, Ore.,

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When transplanting or starting  
Nu Way soluble plant food

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Lessen root shock  
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Use it once—you will always

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## IT COSTS NO MORE

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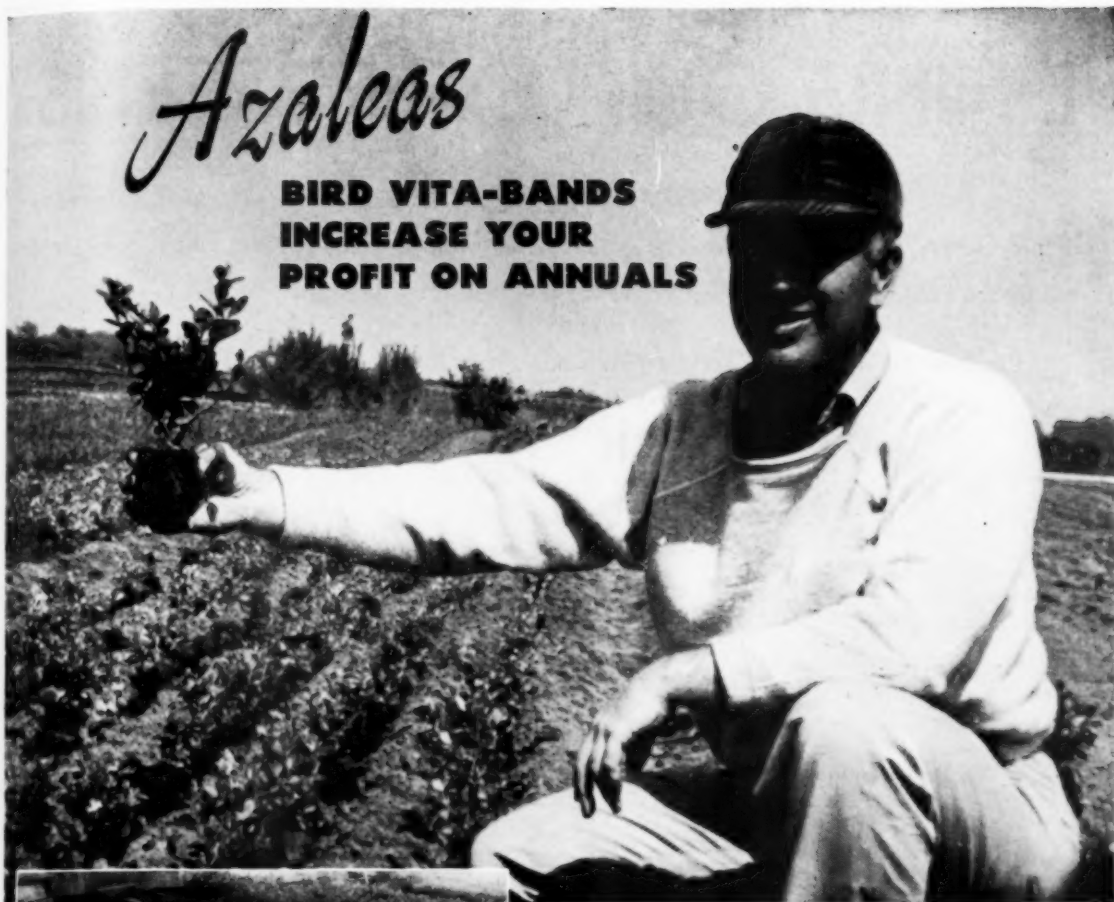
Sweet-Orr Work Clothing  
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Protection given rootball is shown by firm rootball and healthy plant. Vita-Bands aid in promoting vigorous, healthy growth; pay off in higher net profits.

The story is important to azalea growers: growing tests have proved that Bird Vita-Bands lower labor costs by making handling of azaleas from seedling to sale more efficient and easy . . . and produce azaleas that are healthier and more easily saleable.

Vita-Band advantages have been proved on many crops: they protect tender feeder roots, allow growth cycle to continue. Vita-Bands are nutrient-treated, aid vigorous healthy growth. They are easily set up, during slack time require minimum labor. For example, in transplanting azaleas: they can be moved whole flats at a time. Individual plants are easily removed from the flats for quick transplanting without shock. No expensive double-handling of heavy pots.

Higher net profits result because crop handling is more economical, plants are healthier, more easily saleable. Order from supplier's catalogue, or write us direct. Bird & Son, Inc., Dept. AN-3, East Walpole, Massachusetts.



Vita-Bands shorten work load, increase efficiency in handling of annuals because they conserve space and are easy to use. These azalea plants demonstrate vigorous early growth afforded by Vita-Bands.



**VITA-BAND D** gives growers greater control of growth through transplant stage—contains root growth until grower chooses to let root through Band. Nutrient-treated with quickly available plant food.



**VITA-BAND 10** for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food . . . your judgment determines need for additional feeding. Especially good for annuals and vegetables.

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Established 1795

SOLD IN UNITS OF 1000 ONLY	PLANT BANDS							
	PRICE PER 1000—SIZES IN INCHES							
	1½ x 1½ x 2½	1¾ x 1¾ x 2½	2 x 2 x 2½	2 x 2 x 3	2½ x 2½ x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
VITA-BAND D	3.75	4.05	4.55	5.20	5.95	6.90	9.10	11.45
VITA-BAND 10	3.60	3.90	4.40	4.90	5.85	6.75	8.85	11.10

Prices higher in Rocky Mtn., Pacific Coast, Texas and Gulf State areas.

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The DEMAND for our QUALITY lining-out EVERGREENS continues to tax our capacity of production. Each year the late buyer has been disappointed, finding many items sold out by the time he decides on his EVERGREEN NEEDS.

Reserve your FIELD-GROWN LINERS now from the Preinventory list below.

25 at the 100 rate; 250 at the 1000 rate.

Each X indicates one transplanting.

	Each Per 100	Each Per 1000		Each Per 100	Each Per 1000
<b>JUNIPERUS CHINENSIS</b> (Chinese Juniper)			<b>JUNIPERUS VIRGINIANA HILLI</b> (Hill Dundee Juniper)		
15 to 18 ins., XX, field.....	\$0.50	\$0.35	15 to 18 ins., XX, field.....	\$1.30	\$1.15
			18 to 24 ins., XX, field.....	1.50	1.35
<b>JUNIPERUS CHINENSIS PFITZERIANA</b> <b>AUREA</b> (Golden Pfitzer Juniper)			<b>PINUS RESINOSA</b> (Red Pine)		
12 to 15 ins., XX, field.....	.85	.70	18 to 24 ins., XX, field.....	.75	
<b>JUNIPERUS CHINENSIS SARGENTI GREEN</b> (Green Sargent Juniper)			<b>TAXUS CUSPIDATA INTERMEDIA</b> (Intermedia Yew)		
12 to 15 ins., XX, field.....	1.35	1.20	10 to 12 ins., XX, field.....	.80	.65
<b>JUNIPERUS HORIZONTALIS PLUMOSA</b> (Andorra Juniper)			<b>TAXUS CUSPIDATA NANA</b> (Dwarf Japanese Yew)		
12 to 15 ins., XX, field.....	1.00	.85	10 to 12 ins., XX, field.....	.85	.70
<b>JUNIPERUS VIRGINIANA GLOBOSA</b> (Globe Hillbush Juniper)			<b>TAXUS MEDIA BROWNI</b> (Brown's Yew)		
12 to 15 ins., XX, field.....	1.35	1.20	10 to 12 ins., XX, field.....	.70	.55
<b>JUNIPERUS VIRGINIANA</b> (Red Cedar)			<b>THUJA OCCIDENTALIS</b> (American Arborvitae)		
18 to 24 ins., XX, field.....	.60	.45	12 to 18 ins., XX, field.....	.60	.45
2 to 2½ ft., XX, field.....	.70	.55	18 to 24 ins., XX, field.....	.70	.55
<b>JUNIPERUS VIRGINIANA CANAERTI</b> (Canaert Juniper)			<b>THUJA OCCIDENTALIS NIGRA</b> (Dark Green American Arborvitae)		
15 to 18 ins., XX, field.....	1.30	1.15	15 to 18 ins., XX, field.....	.80	.65
<b>JUNIPERUS VIRGINIANA CUPRESSIFOLIA</b> (Hillspire Juniper)			<b>THUJA OCCIDENTALIS PYRAMIDALIS</b> (Pyramidal Arborvitae)		
15 to 18 ins., XX, field.....	1.30	1.15	15 to 18 ins., XX, field.....	.80	.65
18 to 24 ins., XX, field.....	1.50	1.35			

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